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TALKIES USE OLD RECORDING IDEA BUT IN NEW WAY

Vitaphone Keeps Disk While Others Photograph Sound on Side of Film

SHADES OF LIGHT PLAY ON NEGATIVE

Synchronization, Now Perfectly Maintained, Long Retarded Progress

What are the "Talkies"? What is their effect on the movie industry? How do the several types differ? How are they made? What is their future? These and other questions now before the theatrical world are being answered in a series of articles, of which this is the second.

By VOLNEY D. HURD

Perhaps to the uninitiated, the talking picture seems radically new and mystifying. In fact it is quite a simple combination of two relatively old arts with some most desirable refinements. The talking picture is merely the combination of recorded sound, such as we are all familiar with in the form of phonographs, and the equally familiar films which we have been following for years. To many, recorded music seems very remarkable while the art of photography is hardly so. Let us investigate a bit into sound recording.

We all know that when sound strikes a responsive material, the force of the air waves causes this material to respond in sympathy to these sound impulses. The old singing comb made by draping a single layer of tissue paper over a comb and singing against it is a familiar example. The paper vibrates according to the pitch at which one sings and as it vibrates against the hard form of the comb causes a papery tone of the same pitch.

In the old type phonograph this idea is used in recording. In order to concentrate all the sound possible on a usable point, a horn is made into which the artist sings. At the small end of this horn is an airtight chamber on one side of which is a round disk of some material, usually mica, which responds very easily to sound. When anyone sings or plays at the mouth of the horn this mica disk, called a diaphragm, vibrates vigorously.

Sound Is Concentrated

Now attached to the center of this diaphragm is a small lever with its pivot point near the edge of the frame holding the disk of mica. This lever extends a short distance on the other side of the pivot. On this end is attached a cutting device, a needle. When the sound, going into the mouth of the horn, is concentrated

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Acting Foreign Minister Named for Jugoslavia

Cabinet Now Has 16 Members: 10 Serbs, 5 Croats and 1 Slovene

By Wireless to The Christian Science Monitor

ZAGREB—Kosta Kumanudi has been appointed Minister of Posts and Telegraphs and acting Minister of Foreign Affairs in place of Dr. Voyislav Marinkovitch, who left for Switzerland. Mr. Kumanudi is Mayor of Belgrade, an ex-minister, one of the most distinguished and capable public men in Serbia, a member of the Democratic Party and a close friend and colleague of Dr. Marinkovitch.

As opposed to Leuba Davidovitch, leader of the Democrats, he has been an outspoken advocate of vigorous methods and will co-operate wholeheartedly with the present régime.

Dr. Zhelimir Mazhuranitch, who has been appointed Minister of Commerce, is a member of a leading Croat family and a practicing lawyer in Zagreb.

Novosti, the leading Croat daily, praises the new Croat Minister highly, stresses his marked ability and irreproachable character, emphasizes his wide connections with French and English commerical circles and congratulates the King on his appointment.

Croat political leaders, on the other hand, assert that Dr. Mazhuranitch never identified himself with any specifically Croat movement, and so has no value in the cabinet as a representative of Croatia.

The total number of ministers in the cabinet now is 16: ten Serbs, five Croats and one Slovene.

MARK HOOVER BIRTHPLACE

IOWA CITY, Ia. (AP)—The birthplace of Herbert Hoover at West Branch, Ia., is to be marked by a granite boulder bearing a suitably inscribed bronze tablet, the Iowa City Chapter of the Daughters of the American Revolution announces.

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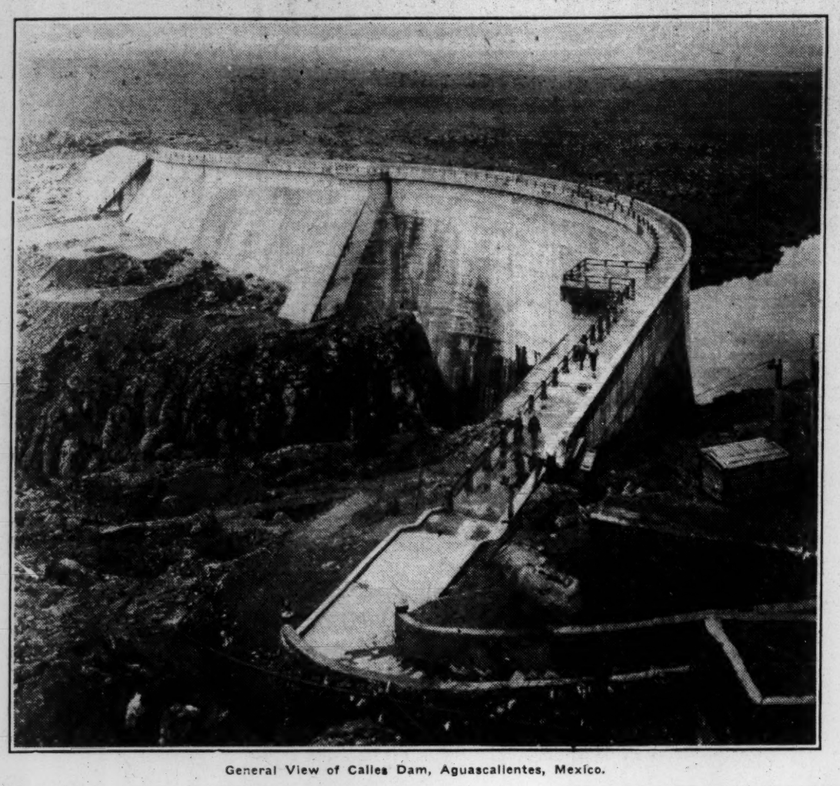
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Where Mexico Plans to Make the Desert Blossom



General View of Calles Dam, Aguascallentes, Mexico.

AFGHAN RULER FLEES; BROTHER BECOMES KING

Amanullah Khan Driven Into Abdication by Reactionary Moslem Forces

By Wireless from Monitor Bureau

LONDON—Inayatulla Kahn—who for the time being wears the uneasy Afghan crown now that his more progressive younger brother, the former King Amanullah, has been driven into abdication and flight by the reactionary forces of Muhammadan fanaticism—is known in informed circles here as a religious devotee greatly under the influence of the mullahs (Moslem priests) who have been the moving force in unsetting the throne.

Although himself educated like his brother in European ways, therefore, he is not expected to attempt to continue the unpopular westernizing reforms which proved the downfall of Amanullah. He showed discretion 10 years ago at Jalalabad on the occasion of the murder of his father, Habibullah, when, after proclaiming himself Ameer, he gave way first to his reactionary uncle Nasrullah and afterward to Amanullah, whose influence with the army proved stronger than his own. Subsequently, though for some time in prison, his tact enabled him to live peaceably with his large family at Kabul, where he has also been on friendly terms with British and other residents.

The situation at Kabul is still obscure, but the fact that quiet is reported to have been restored is regarded as pointing to the retention of the new "counsellors" appointed by Amanullah as a concession to the mullahs being now in control.

As The Times put it, therefore, the most important result of Amanullah's abdication may be "not the return of the veil but the substitution of an oligarchy for an autocracy."

Fighting Revived

PESHAWAR, India (AP)—News from Kabul indicates that after a lull, fighting on the outskirts of the capital of Afghanistan has begun on an extensive scale. It is not known here how the various tribes received news of Inayatullah's accession to the throne.

Advices from New Delhi indicated that an armistice had been agreed upon after the abdication of King Amanullah.

Mexico Reclaims Arid Lands With Three Giant Dams

American Firm Builds Works Costing $16,000,000 and Watering 365,000 Acres

Special to The Christian Science Monitor

MEXICO CITY—The Mexican Government reports good progress on three major irrigation works costing $16,000,000 and designed to impound water for the cultivation of 365,000 acres which are being built by an American construction concern and under the guidance of reclamation experts from the United States.

These projects are the most important of their kind in Mexico and they are giving employment to more than 6000 workers, both American and Mexican. They will open up vast areas of arid land to agriculture and will also greatly increase Mexico's electric power. They were begun during the régime of President Calles and were largely due to his initiative.

The smallest of these works is now in partial operation and the others will be placed in service during 1929.

The biggest is the Don Martin Dam situated on the Salado River, about 50 miles south of the city of Nueve Laredo in the State of Neuve Leon, northeastern Mexico. Not only will this be the largest dam in Mexico but it will be one of the greatest in North America. It will irrigate 165,000 acres.

It will include 2,500,000 cubic yards of earth and 175,000 cubic yards of concrete. The dam and other works connected with it, such as roads and canals, will represent an expenditure of $10,000,000.

The Government has under consideration several power developments for this plant and as parts of the project schools, demonstration farms and co-operative associations are being organized. Many of them are already in operation.

The second of these undertakings is the Calles Dam on the Santiago River, 20 miles north of the city of Aguascalientes in the heart of Mexico. This will be a concrete dam 220 feet high. Water to irrigate 50,000 acres will be impounded, and the contractors announce that it will be in operation by April.

The dam now in operation is on the Rio Mante in the State of Tamaulipas, 100 miles from Tampico, in southeastern Mexico. It is supplying water from which 50,000 acres are being irrigated.

CHICAGO READY TO TAKE OVER 50 MILES OF TUBES

Under Terms of Franchise, $30,000,000 System Reverts to the City

Special from Monitor Bureau

CHICAGO—Fifty miles of tunnel under downtown Chicago are scheduled for presentation to the city. The present owner is the Chicago Tunnel Company, whose franchise is expiring next month. Under its conditions the bore then reverts to the municipality.

Half Chicago probably has never heard of the tunnel. The other half little realizes the extent of the great subterranean network beneath the city's center. Few Chicagoans have ever seen it, notwithstanding the huge hole and its fittings cost $30,000,000.

Though its silent avenues parallel the clamorous streets above, laying out a city beneath a city, as yet it

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Geneva Assures More Effective Opium Control

Signatories to Convention to Supply Figures on Needs in Advance

By Wireless to The Christian Science Monitor

GENEVA—The first meeting of the opium central board constituted by the Council of the League under the Second Geneva convention, has opened here. It is claimed by the advisory opium committee that the board will establish much more effective control of the drug traffic because the signatories to the convention have agreed to supply in advance an annual estimate of their legitimate requirements, with full statistics of imports and exports of raw opium and manufactured drugs.

This will, it is said, enable the central board to discover whether any of the signatories is receiving more than it should, in which event the board will have the right to ask explanations.

Moreover, the board is entitled, if no satisfactory assurance is forthcoming, to call the attention of the governments of all the contracting parties as well as states members of the Council of the League to the matter and recommend that no further export of substances covered in the Geneva convention be made by the country concerned until the complaint meets with satisfaction. It is also a friendly right of any signatory to the convention to draw the board's attention to any matter appearing to require investigation. The action of the board may include countries not parties to the convention, all states arraigned being entitled to defend themselves before the Council.

It is not, however, within the board's competence to question or express an opinion concerning amounts imported or purchased for government purposes. Although the United States has not ratified the second Geneva convention, nor officially recognized the board, an American expert, H. L. May, has been appointed on the board at the instance of the New Zealand Government, while America has promised to give the board all information concerning United States imports and exports of raw material and manufactured drugs, and wholehearted co-operation in the board's work.

The members of the board are: M. C. Anselmino, Germany; C. J. Bonin, France; Guiseppe Gallavresi, Italy; L. A. Lyall, Great Britain; H. L. May, United States; Mr. Myajima, Japan; Sir B. K. Mullick, India, and Honrik Ramsay, Finland. They are all independent experts, unconnected with their governments.

World Merchandise Worth Millions of Pounds Stored in London Warehouses

Special from Monitor Bureau

LONDON—Some of the secrets of City warehouses were revealed by John Henry Estill, commercial manager of the Port of London Authority, in a lecture at the Royal Society of Arts.

"Cutler Street warehouse," he said, "has an average stock of merchandise worth about £5,000,000. Thousands of tons of groceries are stored there, beside carpets from Turkey, Persia, and China, and cotton carpets from Bengal and Northern India.

"In this warehouse are to be found large quantities of Oriental curios, including carved ivory figures, bronzes, lacquer cabinets, silk and satin screens beautifully embroidered, vases and bowls of beaten brass, Egyptian and Persian pots and holders, Japanese pictures, and ancient manuscripts from Persia and Mexico; also raw and waste silk and silk and cotton piece goods from China, Japan, and Bengal—the silk and cotton piece goods alone being equal to 5,250,000 yards valued at over £650,000."

A great and flourishing industry had been overwhelmed by the permanent wave, Mr. Estill went on. In former years £3,000,000 worth of ostrich feathers passed through the warehouse every year. The industry today was practically dead, though there were still large stocks on hand. This has been brought about by the change in the fashion of hats, due to the fact that women's hair today was shingled or permanently waved. On the other hand, fashion had given them a great display of silk stockings.

Mr. Estill claimed that shipping and trade figures showed that the Port of London Authority's bold policy of extensions and improvements, involving an expenditure of £15,000,000 had been amply justified.

In 1927 the net register of vessels entering and leaving the port had grown to the huge figure of 52,500,000 tons. This was over 14,000,000 tons more than when the authority was constituted in 1909.

LOS ANGELES BERTHED AFTER MIAMI VOYAGE

LAKEHURST, N. J. (AP)—The naval dirigible Los Angeles was placed in her hangar here shortly before 2 a. m. Jan. 15, after having completed a round-trip flight of some 2000 miles to Florida. The trip north was made with favorable winds, the ship at times making 115 miles an hour, said Commander Charles E. Rosendahl.

HOOVER FAVORS SPECIAL SESSION LIMITATION PLAN

Only Committees Dealing With Farm Relief and Tariff to Be Organized

Special from Monitor Bureau

WASHINGTON—With the decision reached that a special session of Congress is unavoidable President-elect Hoover and Republican congressional leaders are confronted with the problem of limiting its scope of operations to the two projects they wish the session confined to—farm relief and tariff revision.

Unlike special sessions of state legislatures which can be convened for specific purposes and confined to those matters Congress cannot be restricted, it is explained. Once called into session the two houses are as much their own masters as if in regular session. However, Mr. Hoover and Republican leaders are extremely reluctant to allow Congress such full sweep in the opening days of the new Administration. The President-elect and his advisers are agreed upon the desirability of a special session—but only as far as farm relief and tariff legislation is concerned.

Short Session Sought

They are strongly convinced of the necessity of limiting Congress to these two major issues. By holding congressional attention to these questions only, two advantages will accrue, it is believed by the Republican leadership—the session will not be unduly prolonged and the quality of legislation produced can be expected to be improved. Mr. Hoover and Congressional leaders are most anxious to avoid a lengthy special session. Such prolongation is apt to lead to both personal and political friction—both of which Mr. Hoover proposes minimizing as much as possible during his administration, and particularly at its beginning.

If a way can be found to restrict the special session to farm relief and tariff readjustment, it can be reasonably expected that the special session would not take more than

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State Sows Rocks But Not for Tares

Minnesota Experiment Station Wants to Know How They Reach Surface

Special to The Christian Science Monitor

MINNEAPOLIS—They are planting in this State the one thing they know won't grow—stones. With ceremony and precision rocks are being buried in the ground by the Minnesota Agricultural Experiment Station.

The professors want to find out what happens to a stone in the ground. It's a good thing to know in connection with clearing land of stones. If you dig a big hole and bury them, will they eventually work their way back to the surface?

At two points in the State 14 rocks have been tucked away at different depths, half a foot apart. Two-inch pipe was set on top of each. Spring and fall the level of each stone will be recorded, reports Prof. A. J. Schwantes.

Congressional Action Next Step in Chicago's Lake Diversion Case

City's Chance of Getting Water for Waterway to Gulf Said to Rest in Legislation—Supreme Court Decision Ends Sewage Scheme

Special from Monitor Bureau

CHICAGO—Chicago's diversion of lake water which has lowered Great Lakes levels may ultimately be cut in half or to a quarter or even less of its present volume under the United States Supreme Court decision just handed down, it is believed here. Impartial engineering authorities here agree that the waterway connecting the Great Lakes to the Gulf can be operated on 1000 cubic feet per second against the 10,000 second feet now being diverted. A larger amount, however, up to 4167 second feet would make a better waterway, it is said.

The 20-year contest over Chicago's use of lake water is now transferred to Congress. The only chance that Chicago has of getting water for the Illinois waterway must be obtained through congressional action. The Supreme Court decision allows only the water necessary to maintain navigation in the Chicago River and that is negligible.

Plants to Cost $60,000,000

How long it will be before Chicago will have the sewage treatment plants built and in action to allow final reduction of its lake diversion is uncertain. Ten years is regarded by engineering authorities as ample. The question is one of funds.

It will cost $60,000,000 and more to comply with the Supreme Court decision. The money has to be voted and without substantial pressure from the Federal Government the Legislature and local community comprising the sanitary district are not likely, it is said, to jam through the completion of the sewage program.

It could be finished in five years, according to experts, if all the money needed was at hand. However, at the present time the sanitary district is in an impasse and to comply with the government's program for the present year must have aid from the Legislature, it seems apparent.

Chicago has lost utterly in its long contention that it should have lake water for sewage purposes, as the decision is viewed by impartial experts here. However, it has won on its plans to build for the lakes-to-gulf waterway, it is said. Originally the drainage canal had these two aims. Of late years the drainage issue overshadowed the waterway in the public view.

River Turned Around

The Chicago terminal of the waterway is furnished by the drainage scheme which turned the Chicago River around.

Congress has authorized a nine-foot channel for the waterway. But

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Quicker Settling of Estates Urged in New York Plan

Commission Ready to Report on Correcting Defects in Laws Governing Rights

Special from Monitor Bureau

NEW YORK—Proposed revision of the New York inheritance laws designed to overcome possible injustices under the present statutes have just been outlined here by Judge George A. Slater, surrogate of Westchester County and member of the State Commission to Investigate Defects in the Laws of Estates.

Speaking at the forty-fifth annual banquet of the Alumni Association of the New York University Law School, Judge Slater said that among the specific recommendations the commission will recommend is the removal of the distinction between real and personal property in the settlement of estates. The rights of husband and wife would be made uniform, revising the present statute by which property in a wife's name passes to her parents, brothers or sisters rather than to her husband, he held.

The commission, Judge Slater said, found that the dower rights now enjoyed by a wife often do not operate so as to provide her with one-third of the estate. It recommends extensive reforms in this connection.

Other provisions which would make real property more "liquid" are being studied by the commission, Judge Slater said, including the establishment of statutory power of sale by executors.

New York Theatrical District to Become Traffic Laboratory

"Staggering" of Times That Shows Start Is One Move While Regulations to Govern Streets and All Manner of Vehicles Is Another

Special from Monitor Bureau

NEW YORK—That part of Broadway known as the "Great White Way" is about to become a through street, with the police in complete control of it and with authority to say when its theaters may open their doors, under a new scheme just approved by Grover Whalen, police commissioner, to relieve traffic congestion in the Manhattan theatrical district.

Every night except Sunday the crowds in Broadway are augmented by 150,000 to 200,000 persons who attend the 100 theaters between Forty-second and Fiftieth Streets and between Fifth and Eighth Avenues. They pour into Times Square in honking taxicabs, clanging street cars and interurban buses. All of the theater curtains go up at 8:30 p. m., and every theatergoer wants to be in his seat at the same time.

To distribute this crowd, the new scheme calls for the "staggering" of the theater hour. Musical shows and the longer performances will open at 8:30 o'clock. The curtains will go up on the shorter performances at 8:50 o'clock.

The new program, agreed to by police officials, theater managers and civic officials, will have two week's trial. It will go into effect on January 21 and a fortnight later the group which drafted it will meet to decide whether this program, characterized as the most drastic ever attempted in New York, shall be retained.

The scheme includes a request to the theater-goers that they take a taxicab to within one block of their theaters and then walk the remaining distance in order to eliminate congestion from the north and south arteries. All turns, either to right or left, will be prohibited, traffic being speeded straight through the district on the "two way" arteries of Broadway, Sixth Avenue and Seventh Avenue and across town on the "one way" lateral streets. Motor buses will be prohibited from entering the theater area during certain hours and "cruising" taxicabs will be eliminated "insofar as practicable."

In addition to one-way rules on all the streets in the theatrical district, the traffic plan includes cutting the theater district from the regular traffic light control system and handling it separately from 7:30 p. m. to 11:30 o'clock.

Officials of the civic bodies in New York which have been active in remedial studies of traffic, have emphasized the need of public co-operation in making the experiment a success.

Winter Sports in the Alps

Whether one goes to the resorts of Switzerland, France or Austria, the winter sports enthusiast will find ideal conditions, as you will note

Tomorrow

MASSACHUSETTS CONSIDERS STEP TO CLEANSE BAR

Attorney-General Recommends Paid Board to Rule on Complaints

Establishment of a paid state commission to police the professional ethics of the bar is proposed by Joseph E. Warner, Attorney-General of Massachusetts, in his annual report just filed with the Legislature.

This commission, he proposes, would have powers to investigate charges of misconduct by lawyers and to prosecute disbarment proceedings. It would consist of three or more attorneys appointed by the Governor who would not then be permitted to engage in the practice. Present provisions for disbarment, and others proposed, are inadequate, Mr. Warner declares.

Calling attention to the rapid numerical growth in the legal profession, the Attorney-General says there is in this, as in other callings, an "irresponsible element" which, though small, appears to be increasing.

Present Method Inadequate

"The present method of proceedings instituted by bar associations has proved inefficient and ineffectual," he says, and explains:

"While theoretically any private citizen may commence such proceedings, action by any other than a regularly constituted body is impracticable. A private citizen himself has not the knowledge, the time, nor the inclination to commence disbarment proceedings. Individual attorneys will not commence such proceedings at the instigation of a private individual because of their natural disinclination to proceed against another attorney, and also because of the existence of a certain professional code."

"A change is vitally necessary," he continues. "Various methods have from time to time been suggested: reference to the Attorney General; establishment of 'bar council' in each county. Neither agency meets the situation.

"I suggest that a paid commission of three or more attorneys be appointed by the Governor for a term of years, who shall not be permitted to engage in the practice of the law, with duties and powers of investigation and prosecution of cases of 'deceit, malpractice or other gross misconduct.'"

The Insurance Imputations

Regarding the complaint of the former state insurance commissioner that fraudulent practices by members of the bar were so prevalent as to affect the compulsory motor insurance rates, Mr. Warner reports the commissioner failed to furnish any evidence beyond hearsay or any "leads" of immediate value.

He concludes no general investigation of the bar through the courts is necessary on this account, but recommends that the Attorney General be given authority to call and examine witnesses under oath in an independent inquiry.

Mr. Warner indorses a report recently made recommending establishment of a securities division in the Department of Public Utilities for more effective enforcement of the Sale of Securities Act, and urges extension of this regulation to apply to "tipster sheets" and investment services.

Among other recommendations he urges formulation of "a sound and satisfactory scheme for more rational censorship" of books and plays, treatment of drug addicts in institutions apart from penal institutions, and requirement of records of lodgers at "overnight" tourist camps.

FRANCHISE FOR WOMEN

BUCHAREST (AP)—The Rumanian Government announces its intention to grant municipal franchise to women as the first step toward their political emancipation.

WAY IS CLEARED FOR APPROVAL OF PEACE PACT

Senate "Interpretationists" Agree to Report Defining United States' Stand

STATEMENT DENIES IT IS RESERVATION

Opponents Content With Unofficial Action—Ready to Vote for Treaty

WASHINGTON (AP)—Early ratification of the Kellogg antiwar treaty was forecast when the group demanding an interpretation accepted a report drafted by Chairman Borah of the foreign relations committee.

A poll of the committee developed a majority in favor of the report, which stipulates that it shall not be considered a reservation to the pact.

Senator Borah was prepared to put the solution of the treaty dispute before the Senate and the "interpretationists" said they were ready to vote for ratification of the pact.

The report embodies the views expressed previously by Mr. Borah that the treaty does not infringe the United States's right of self-defense, nor contain any sanction requiring it to employ force in the enforcement of the treaty. The report reiterates that the Monroe Doctrine is a part of the United States's policy of self-defense.

What Is a Reservation?

Special from Monitor Bureau

WASHINGTON—Ten days of daily debate by the Senate on ratification of the Kellogg anti-war pact has brought the chamber around to a surprisingly complicated controversy as to just what constitutes a reservation.

Certain senators, who insist that they are for the treaty, demand that its approval by the Senate be accompanied by what they characterize as an "interpretative report." This document would contain an elucidation of the Senate's understanding of the treaty as it relates to the United States.

They have proposed, according to a resolution offered by one of their leaders, James A. Reed (D.), Senator from Missouri, that the Senate Foreign Relations Committee transmit such an explanation to the Senate, and offer to take no action on the report; thus giving it only an informal status.

The declaration would not be a part of the treaty, but could be used, as Hiram Bingham (R.), Senator from Connecticut, another of the interpretationists, explained, to counter possible charges of bad faith against the United States in the future.

Thus in effect it would act as a reservation without actually being incorporated as such in the treaty.

Mr. Borah Willing

William E. Borah (R.), Senator from Idaho, and chairman of the Senate Foreign Relations Committee, was at one time willing to accept such a report. So was Frank B. Kellogg, Secretary of State. Mr. Borah made known during the floor debate over the question.

So far had his approval gone on the matter, Mr. Borah announced, that he had written such a committee report. Then, he said, the interpretationists raised a demand that the Senate take formal action on the statement. This of course Mr. Borah refused to do and negotiations on the compromise went awry.

To this Mr. Reed declared that the Republican and Democratic interpretationists had canvassed the Senate and secured pledges from all the members that no action would be requested on the committee's report.

"And furthermore," Mr. Reed said, "Mr. Bingham and I had agreed that if a motion was made that we would move to table the motion. Mr. Bingham and I are absolutely for the treaty, provided an explanation of its provisions is made in some form."

Mr. Borah admitted these facts but held that he had later been unable to accept the overtures because world-wide publicity on the project had emphasized the purpose of the report. However informal the action of the Senate might be on the declaration the other signatories, Mr. Borah contended, would view it in the light of a reservation.

"I agreed to report in the first instance solely for the purpose of saving time and getting it out of the way," Mr. Borah said. "I never have conceded the proposition that there was any necessity for a construction of the treaty, but as the Senator who brought the proposition to me knows, I said it was agreeable to me, because it contained nothing that was not already in the treaty, and which the friends of the treaty contended was in the treaty.

Situation Altered

"If it had stopped there the matter would have been ended and there would have been no question about it at all. But now I am in the position, as representing the treaty upon the floor, of considering what the effect will be since the debate has gone on—an debate in connection with this report being treated by many people as a reservation legally affecting the treaty—and what effect that will have on the 15 governments which have to deal with it abroad and the 43 governments which have to deal with it also.

"For this reason I am no longer free to go back to the original proposition."

Thus, according to Mr. Borah, a report which originally had no official implication has taken on such by reason of the emphasis laid upon it and from an informal document it has without changing its legal status become in effect a reservation.

WOMEN APPEAL FOR ENACTMENT OF PEACE PACT

Aggressive Policy Outlined by Mrs. Catt at Conference at Washington

By MARJORIE SHULER
Special to The Christian Science Monitor

WASHINGTON—Peace must become a positive, even aggressive policy, but the use of force must still serve the need of self-defense until the new order is so securly founded that no break in it is possible, declared Mrs. Carrie Chapman Catt at the opening of the fourth National Conference on the Cause and Cure of War.

This definite pronouncement on the part of the founder and chairman of the National Committee on the Cause and Cure of War coming at a time when the ratification of the Briand-Kellogg Treaty and the bill for the building of additional cruisers are pending in the United States Senate, clarifies the situation with regard to the 12,000,000 members of the 10 national women's organizations which are affiliated with the committee.

Peacemakers but not pacifists in the general acceptance of that term is what the women are trying to prove themselves to be. It is no easy matter to steer a safe course in the midst of the stormy weather surrounding the discussions in the Senate this week, but Mrs. Catt so far has proven herself an adroit helmswoman.

Definite Approval Expressed

Her message to the conference came after a series of meetings in the offices of the members of the Senate, at which the women of each state told their own representatives that no other measure now before Congress has elicited such a definite expression of approval from the American people as the proposed ratification of the pact. Specifically they described the more than 12,000 meetings in the last few months at which resolutions have been passed urging ratification of the pact, an increase of 2000 over the number of meetings known last week to have been held.

Encouraged by their reception "on the Hill," the women returned to the Hotel Washington for the first business session of the conference, which Mrs. Catt opened with the statement that there is a straight road to peace which is followed by those who "encourage all movements to build up the peace institution by more complete world treaties until the last loopholes for war are closed, expose the fallacies that support self-defense as a necessary inception in peace agreements and demand the bold and frank discussions of all questions which continue the war institution and postpone the sturdy building of the peace institution."

Agreement Covering World

With an international agreement binding nearly all the nations of the world to arbitrate their differences, there remains only one cause of war, she said, that a nation may choose to resort to war in violation of its agreement not to do so. To meet this she declared "The combined nations of the world must by treaty refuse to accord to any nation the right to choose the war method of action."

Assertion of the right of a nation to go to war in self-defense is a loophole which greatly weakens arbitration treaties, and is a constant menace to the security of nations, said Mrs. Catt, and she added that self-defense is not the business of an individual nation, but the responsibility of the united nations which are party to an arbitration agreement.

"War is an important institution in all nations, costing more money and causing more taxation than any other, while peace as yet is little more than a hope," said Mrs. Catt. "The obvious program of the peace makers is the gradual institutionalizing of peace and the proportional de-institutionalizing of war. Peace must become a positive, resolute, even aggressive policy. The use of force must still serve the need of self-defense until the new order is so securely founded that no break in it is possible."

Security for "Open Door"

Mrs. Catt declared that peace depends upon the answer to such questions as "What disposition can be made of armed intervention in a world of peace? How and when shall armaments be gradually reduced by international agreement? How shall navies be reduced by international agreement? How shall the world's raw materials be fairly distributed? How can the 'open door' be secured to all markets? How can a curb upon the greed of exploiting profiteers, be they nations or individuals, be enforced? How can the freedom of the seas to all traders in war and peace be secured? How can the Monroe Doctrine be de-militarized?"

Militarism and the obstacles to international reduction of armament were among the first subjects discussed at the conference.

Regulation of Trade

Armaments will not be diminished until there is a regulation of international competition for trade, said Edwin M. Borchard of Yale University. The instrumentalities employed to insure national security and prosperity invite hostility, he said, and the resultant alliances are "merely invitations to counter alliances and unforeseeable dangers."

Activities of the reserve officers' training corps in schools and colleges were labeled militaristic by John Nevin Sayre, vice-chairman of the Committee on Militarism in Education, on the ground that they compel students to take military drill, attempt to censure peace discussion and identify patriotism with the men, machines, and uniforms of war.

At a banquet attended by nearly 1000 guests Dr. Harry Emerson Fosdick told the women that "It is hard-headed practicality that used to consecrate itself to war which is now trying to find a way to peace." E. C. Lindeman of the School for Social Work, New York City, said that war will be abolished when "a new intellectual atmosphere is created in which it will be an uncongenial idea."

THE CHRISTIAN SCIENCE MONITOR

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PROVIDENCE SCHOOL HEAD ABOUT TO RETIRE

PROVIDENCE, R. I. (AP)—In selecting Isaac O. Winslow, who has headed the Providence school system for 15 years, superintendent emeritus, the Providence School Committee revealed that it is about to institute a search for a successor to Mr. Winslow.

Mr. Winslow will continue in charge until his successor is found and qualifies. Twice already authority from the retirement board has been necessary for his continuance in active service. He has been active in the Providence schools for 40 years.

EVENTS TONIGHT

Dinner with entertainment and speaking, Traffic Club of New England, Copley-Plaza, 6:30.

Meeting, Home Club of East Boston, talk on "Civics and Political Action," by the Rev. C. C. P. Hiller of Malden, Fiske Hall, 8.

Harvard University: Harvard Classical Club, talk by Gerald F. Else, Common Room, Straus Hall, 8.

Exhibition of photographs by Richard N. Speaight, F. R. P. S., London, court photographer, Georgian Room, Hotel Statler.

Second concert in series by Arthur Whiting, Room 10-250, Massachusetts Institute of Technology, 8:15.

Lecture in series auspices Lowell Institute, by Paul Sachs, LL. D., professor of fine arts in Harvard University, Huntington Hall, 5 p. m.

Boston Y. M. C. A., Huntington Avenue branch; meeting of directors and generals for branch members' fund, 6; new members' dinner, room 100, 6:30; musical concert, the Triangle Concert Orchestra, 7 to 9; Fencing Club, Fencing Room, 7:30; Young Men's Division pool on gym floor; Young Men's Basketball League, Class A, 8:15.

Meeting, Winter Hill Improvement Association of Somerville, speaking and entertainment, 302 Broadway, 8.

New Year's reception to members and guests, Women's Republican Club of Malden, entertainment, 157 Pleasant Street, 8.

Midwinter meeting, class of 1927, Portia Law School, business meeting and entertainment, school building, 7:45.

Lecture by Frank E. Bridgman, Boston City Club, 6:45.

Meeting, Manuscript Clu bof Boston, talk by Prof. Neilson P. Hannay, Hotel Westminster, 8.

Meeting, Manscript Club of Boston, Club of Boston Auxiliary, Repertory Hall, 8.

Theaters

Copley—"The Whispering Gallery," 8:30.
Majestic—"White Lilacs," 8:15.
Repertory—"Mary Rose," 8:15.
Colonial—"Billie," 8:15.
St. James—"Seventh Heaven," 8:15.
Wilbur—"The Royal Family," 8:15.
Fenway—"Interference" (talking film)

EVENTS TOMORROW

French readings by Mme. Jeanne Roulet-Pavey of New York, home of Miss Grace Nichols, 107 Chestnut Street, 11:30 a. m.

West Roxbury Citizens' Association; Drama Group of the Woman's Club, Library Hall, 2 p. m.

Women's City Club; luncheon in honor of Miss Rossa Cooley of North Carolina, principal of the Penn School in St. Helena's Island, Club House, 12:30.

Harvard University; Romance Seminary, meeting in Sever 23, 3 p. m.

Opening day, Sportsmen's Show, daily and nightly, Mechanics Building.

Hotel Statler; meeting, Memorial Craftsmen of New England; luncheon, Franco-American Civic League, 12:30.

Meeting, New England Association of Ice Cream Manufacturers, 10 a. m.

Boston Square and Compass Club; luncheon for ladies, club house, 1 p. m.

Luncheon meeting, Group 7, Boston Council of Social Agencies, talk by Dr. William Healy, director of the Judge Baker Foundation Twentieth Century Club, 12:30.

Exhibitions

Children's Museum of Boston, Jamaica Way—Open daily, 9 to 5; Sundays 1:30 to 5. Admission free. Free docent service. Special exhibits of water colors by Mexican children throughout January.

Museum of Fine Arts, Huntington Avenue—Admission free. Open daily 10 to 4, except Mondays. Sundays 1 to 5. Free guidance through galleries on Tuesday, Wednesday, Thursday and Friday at 11 o'clock.

Isabella Stewart Gardner Museum, Fenway Court—Open on Tuesdays, Thursdays and Saturdays from 10 to 4 with fee, on Sundays from 1 to 4 free.

Fogg Art Museum, corner Quincy Street and Broadway, Cambridge—Open week-days, 9 to 6; Sundays, 1 to 5. Admission free. Exhibitions: Maya art, old master drawings, water colors by modern masters.

Boston Art Club, Newbury and Dartmouth Streets—Small sculpture by Boston Society of Sculptors and drawings by local artists.

R. C. Vose Galleries, 559 Boylston Street—Paintings by old masters and their successors.

Doll and Richards, 138 Newbury Street—Etchings by modern masters; paintings by Howard Giles.

Casson Galleries, 575 Boylston Street—Water colors by contemporary Americans.

Guild of Boston Artists, 162 Newbury Street—Paintings by Louis Kronberg.

Copley Galleries, 103 Newbury Street—Paintings by William James; water colors and drawings by William L. Carrigan.

The Print Shop, 261 Newbury Street—Prints by various etchers.

The Little Studio, 171 Newbury Street—Prints by various etchers.

The Children's Art Center, 36 Rutland Street—Western etchings, and Mexican and Indian baskets, rugs and pottery.

North Bennet Street Industrial School Exhibit in Motor Mart Garage Building, Statler Square—Display of antiques.

Society of Arts and Crafts, 9 Park Street—Lithographs and etchings by Hoyland B. Bettinger.

Bookshop for Boys and Girls, 270 Boylston Street—Water colors and drawings by Daphine Allen.

Twentieth Century Club, 3 Joy Street—Paintings and wall panels by Bertha Remlek.

Appalachian Mountain Club, 5 Joy Street—Water colors by J. H. Emerson.

Boston Museum School of Fine Arts, Fenway—Exhibition of the work of Lawrence Tenney Stevens.

St. Botolph Club, Newbury Street—Paintings by Frank W. Benson.

Boston Community Art Group, 40 Joy Street—Third exhibition of paintings and sculpture by local artists.

Milton Public Library—Paintings by Mary Neal Ricardson.

Myles Standish Galleries, Myles Standish Hotel—Paintings by J. Eliot Enneking.

Grace Horne Galleries, Stuart and Dartmouth Streets—Paintings by E. Marceau; water colors by Harold Putnam Browne.

Goodspeed's Book Shop, 7 Ashburton Place—Etchings and drawings by Livia Kadar.

Olsson Galleries, 43 Brattle Street, Cambridge—Paintings by Arthur Gibber Burton.

WEATHER PREDICTIONS

U. S. Weather Bureau Report

Boston and Vicinity: Clearing and colder tonight; Wednesday increasing cloudiness, probably followed by snow Wednesday night or Thursday; light shifting winds, mostly northerly; the minimum temperature tonight will be near 8.

Southern New England: Generally fair and colder tonight, probably followed by snow Wednesday night; moderate to fresh shifting winds, becoming north or northeast.

Northern New England: Snow this afternoon, ending early tonight; colder tonight except on east Maine coast; Wednesday fair; moderate winds, mostly northeast and north.

Official Temperatures

(8 a. m. Standard time, 75th meridian)

Albany	10	Memphis	36
Atlantic City	40	Montreal	-10
Boston	16	Nantucket	30
Buffalo	10	New Orleans	56
Calgary	14	New York	30
Charleston	46	Philadelphia	30
Chicago	-4	Pittsburgh	18
Denver	28	Portland, Me.	6
Des Moines	-6	Portland, Ore.	34
Eastport	-4	San Francisco	42
Galveston	62	St. Louis	6
Hatteras	58	St. Paul	-14
Helena	20	Seattle	40
Jacksonville	56	Tampa	58
Kansas City	2	Washington	34
Los Angeles	52		

High Tides at Boston

Tuesday, 2:05 p.m.; Wednesday, 2:37 a.m.
Height of tides, 9.6 feet, 8.9 feet.

Light all vehicles at 5:07 p. m.

Hoover Favors Special Session Limitation Plan

(Continued from Page 1)

six weeks at the most. It convened around the middle of April, as Mr. Hoover and congressional leaders now deem most desirable, the two problems should have been disposed of early in June. This will allow Congress to adjourn before hot weather in the capital adds its handicap to harmonious relations.

Chance to Organize

With Congress thus early out of the way and with two of the most pressing problems disposed of Mr. Hoover would have six months in which to organize his Administration and get its machinery running smoothly before the regular session of Congress came around. By that time he would be ready to deal with such issues as prohibition, taxation, naval armament, Muscle Shoals and all the other, both domestic and foreign, problems that confront the Nation and him as the national Chief Executive.

But unless the special session is limited in its scope motions and legislation is certain to be brought up dealing with many other matters in addition to farm relief and tariff schedules.

Should the current session fail to enact the naval cruiser bill its advocates would be certain to attempt to bring it up at the special session.

Demand Tax Reduction

The intimation from the Treasury Department that surplus of between $200,000,000 and $300,000,000 might be expected for the year has already stirred Democratic leaders to demands for tax reduction.

Mr. Hoover would not, of course, be opposed to tax adjustment if it could be soundly obtained, it is said, but even so he would be most strenuously opposed to such legislation being attempted at a special session. He desires that the matter be dealt with at the regular session.

But unless the special session is so organized and controlled as to limit its work, there is nothing to prevent those advocating tax reduction from raising the issue and attempting to force its consideration. Even should it be certain that they could not succeed, it would be politically undesirable that the contest be allowed to develop—as it would be most likely to unless forestalled.

The problem of limiting the special session is one of procedure. Nicholas Longworth (R.), Representative from Ohio, Speaker of the House, and Republican leaders of the Senate informed the President-elect that they have worked out a plan which, if enforced, would give them the control they desire.

Organize Committees

The project is very simple: it is proposed by the Republican leaders to organize only those committees of the new Congress which deal with farm and tariff legislation.

The remaining committees they would name when the regular session convenes. By this simple procedure Republican leaders would make it impossible for the legislative machinery to function except for farm relief and tariff revision. Of course the introduction of bills and the making of speeches, particularly in the Senate, could not be prevented. Neither could motions be halted that the chambers act upon measures without the usual committee consideration.

But all the pressure and tactics of the situation would be against not only the success of such activities but operate against the likelihood of their being undertaken. The problem therefore of the Hoover Administration is to put through this plan. Mr. Hoover, following out his rigid policy of keeping hands off Congressional affairs until he takes office, will take no part in the putting through of this program; but it has his approval.

To Exchange Measures

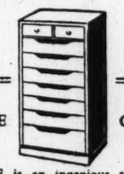
According to the plan four committees would be named in the House; the Ways and Means, Rules, Agriculture and Accounts Committees. This would be accomplished by a caucus o fthe Republican majority of the new House early in March. In the Senate the Finance, Appropriations, Rules and Agriculture Committees would be named by the same method.

To expedite matters at the special session the Senate would act upon farm relief while the House disposed of tariff revision. Under congressional procedure the House must originate tariff legislation. The chambers would then exchange bills and act on them, later in conference committees working out differences.

To handle emergencies the Rules Committees of the two chambers are included in the committees to be organized. This plan has to be approved by the Republican caucuses, and then put through each chamber. Republican leaders have no doubt of securing such acquiescence, particularly as the plan is in accord with Mr. Hoover's wishes.

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Border Liquors Pay Heavy Toll

Smugglers in Vermont Area Surrender $300,000 in Contraband and Fines

Special to The Christian Science Monitor

ST. ALBANS, Vt. — More than $300,000 was added to the operating expenses if not to the net losses of rum-runners in the Vermont district through seizures by the customs border patrols, according to the annual statement of customs law enforcement activities by Harry C. Whitehill, collector.

These seizures included 190 automobiles valued at a total of $64,748, and 108,644 bottles of alcoholic liquors valued at more than $250,000. In addition the officers and train inspectors seized 31 horses with wagons and sleds, two rowboats and the contents of six freight cars consisting of hay, straw and wood veneer used to conceal liquor.

In slightly more than 2000 cases the customs officers assessed fines of $5 per bottle of spirituous liquor or $2 per bottle of beer or ale upon persons with one or two bottles of liquor in their baggage undeclared. The liquor also was confiscated, these seizures numbering 4308 bottles.

Drivers of 50 automobiles were fined $100 each for failure properly to report arrival of their cars at the first customs office on entering the United States from Canada. Among articles seized for attempted smuggling were nine head of calves and sheep, 54 boxes of latch needles, four diamond rings and a $600 fur coat.

Registered at the Christian Science Publishing House

Among the visitors from various parts of the world who registered at the Christian Science Publishing House yesterday were the following:

James B. Price, Reading, Pa.
Mrs. Clara S. Price, Reading, Pa.
Goldwin Stewart, New York City.
Mrs. Mabel Phaneuf, Lynn, Mass.
Mrs. A. W. Thorman, Fort Collins, Colo.
Miss Viola Burnstead, Denver, Colo.
Mrs. H. A. Ashton, Lowell, Ind.
Mrs. Martha Hess, Hammond, Ind.
Mrs. Beatrice Sessions, New York City.
Stuart Sessions, New York City.
Mrs. Cora Andrews, Woonsocket, R. I.
Miss Tata L. Hope, Woonsocket, R. I.
Richard Lionel Derbyshire, Toronto, Can.


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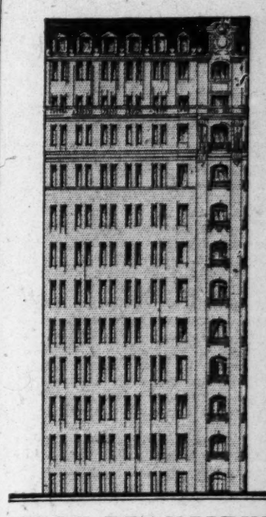
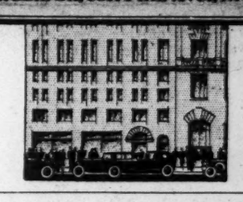
Prize Is Offered to House Owners

President of Horticultural Society to Give Medal for Best Improvement

Albert C. Burrage, president of the Massachusetts Horticultural Society since 1921, in his inaugural address on Monday in Boston read because of his absence in California, offered $1250 to found an annual medal for home improvement. hTe award will go annually to the resident owner in Massachusetts of a single house who, by the addition to his house of a ground or side approach facing east, south or souteast, most improves his property.

Installation in Horticultural Hall, Boston, of officers for the current year centered about the forthcoming celebration of the society's centennial which will be especially marked by the March flower exhibition, transferred to serve its centennial dimensions, from Horticultural Hall, to Mechanics Building.

Besides Mr. Burrage, officers are—vice-presidents, Oakes Ames of the Harvard Botanical Garden, Edwin S. Webster, G. Peabody Gardner Jr., and Robert G. Stone; the secretary is Edward I. Farrington, and the treasurer John S. Ames.


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FRANCE SEEKS TO WIN RUMANIA BY AID OF LOAN

Rome Jockeying for Controlling Position With Paris —Debt Plan Ratified

By Cable from Monitor Bureau

PARIS—The Premier, Raymond Poincaré, has just received Albert Popovitch, Rumanian Minister of Finance, who came from Bucharest in order to put his signature to the loan destined to aid the stabilization of the lei. When it was known last week that the final details were completed the Rumanian Embassy here telegraphed for Mr. Popovitch.

French bankers have been contemplating raising such a loan for a long time, so that in reaching an agreement the peasant government of Julin Maniu is but carrying to a conclusion the negotiations which the former government initiated. It is known that in the beginning the British preferred an international loan with League of Nations control, as in the case of Austria and Hungary, but this was not to Rumania's liking and the Bank of France was approached instead.

France insisted on a debt settlement with Rumania before discussing the loan, and last March terms were arrived at by which Rumania was to pay France a round half million gold francs, spread over 62 years. The Rumanian Parliament ratified this agreement in July. At the same time Parliament empowered the government to contract a £50,000,000 stabilization loan, with the aid of French, British and American financial groups, and Italy was also heard from as favorable to taking a share of the loan. Further action as regards France has apparently been retarded by the political situation in Rumania, and now that a stable government has appeared the time has come for a more positive course.

In Parliament some time ago M. Poincaré said that France would be glad to assist Rumania, but could not do it alone. Nevertheless, it is a fact that Mr. Popovitch has come directly to Paris, and from this it may be concluded that the French Government intends to maintain close co-operation with Rumania. Whenever one hears of a possible breaking-up of the Little Entente, which was formed with the help of France, it is always Rumania one hears of as the nation which may quit the circle. The extension of Italian interests in central Europe and the Balkans is working through Hungary and Albania, and Italian financial overtures to Rumania are usually mentioned in connection with the rumored defection of Rumania.

In other words, France and Italy are represented as jockeying for position in Rumania, whereby the controlling influence can be exerted. The conclusion of a loan here in Paris, therefore, so soon after the advent of the new Government in Rumania, cannot fail to mean other than that France desires to pursue a policy with Rumania of the most cordial friendship.

D.A.R. Will Give Forest to State

Massachusetts Organization Buys 1000 Acres on Eminence Near Springfield

Special to The Christian Science Monitor

NORTHAMPTON, Mass.—Purchase by the Massachusetts Daughters of the American Revolution of a 1000-acre forest, said to be the first D. A. R. forest in the United States, has been announced here. The tract tops what is understood to be the highest eminence in this section of Massachusetts, and is to be turned over to the Commonwealth as a state forest.

The land was formerly owned by John Tomlinson, a New York lawyer, according to Mrs. James Wheeler of Natick, Mass., chairman of the purchase committee. With its frontage near the Berkshire trail running out of Northampton, and stretching along the sides of two lakes, Mrs. Wheeler believes the spot will set a high standard for five other state D. A. R. organizations who are understood to be contemplating forest purchases.

The tract, to be dedicated and officially presented to the State in the spring, will stand as a permanent D. A. R. memorial, according to Mrs. Wheeler, as the most modern methods of reforestation are to be applied. A large boulder and tablet will be placed on the land, and the lake shores eventually developed for camping, it is stated.

Harvard to Group All Students in 'Houses,' Dr. Lowell Indicates

Two Small Residential Units Similar to English Colleges to Be Built at Once—Mixing of Men and Closer Contacts With Teachers Are Goals

Harvard College's plan for intramural subdivision, using the "house" as a unit as do Cambridge and Oxford their colleges, should attain the end for which all colleges are striving by combining the "benefits of a small college with the rich offerings of a great university," asserts Dr. A. Lawrence Lowell, president of Harvard, in his annual report.

Dr. Lowell indicated that the whole college will be transferred gradually to this house basis, with two units to be built immediately. Dr. Lowell quoted the "anonymous benefactor" who has already given $3,000,000 toward the plan—known to be Edward S. Harkness of New York, a Yale graduate—as saying that "he would give the amount necessary." Entirely unofficial estimates of the entire cost vary between $10,000,000 and $15,000,000.

Although devoting the body of his report to the first official discussion of the plan since its announcement, Dr. Lowell announced also a $2,000,000 gift from the International General Education Board, with an additional $1,000,000 should the university raise $3,000,000 from other sources, the whole of which would establish an institute of biology.

Praises "Reading Plan"

He praised the success of Harvard's "reading plan" which he said has already eradicated the misconception that students would regard such periods as "unofficial vacations." He asserted that "10 years ago, before the attitude of our students toward their academic work changed, we should not have ventured to try such a plan, but saw the time has proved ripe." He urged also that "the whole system of the graduate school be revised."

Of the proposed subdivision into house groups, each of which will have its own dining facilities and common rooms, Dr. Lowell said:

"It is proposed to build two such houses at once, adding the remainder as soon as the first have become established, and using for the purpose existing college dormitories. The aim is to bring into contact a body of students with diverse interests who will by attrition provoke one another to think on many subjects.

"Great masses of unorganized young men, not yet engaged in definite careers," Dr. Lowell continued, "are prone to superficial currents of thought and interest, to the detriment of the personal intellectual progress that ought to dominate mature men seeking higher education.

"Large communities tend to cliques based upon similarity of origin and upon wealth, a tendency that produced at Harvard the Gold Coast, as the private dormitories on Mt. Auburn Street were called until they were bought by the university.

Number to Be Small

"Until tested by trial it is impossible to be sure what the best number will prove to be, but taking the experience in the colleges of Oxford and Cambridge, and allowing for the differences between English and American youth, it has seemed that the right number will be between 200 and 300, varying somewhat with the conditions, but averaging not far from 250.

"So far as subjects of concentration, pecuniary means and residence in different parts of the country are concerned, each house should be as nearly as possible a cross-section of the college.

"The success of each house, and hence of the whole plan, will no doubt depend largely upon the selection of the students for membership.

"Certain misconceptions are sure to arise. One is that Harvard College is to be superseded or rivaled. This has no foundation. Save so far as tutors may reside, or have their conference rooms, in a house instead of in a lecture hall or administrative building, there will be no change whatever in the methods of teaching, which will remain wholly under the direction of the Faculty of Arts and Sciences.

"The plan is expected to give an additional stimulus to scholarship and intellectual interest, but otherwise it is not an educational but a social one. The discipline of the dean's office and the administrative board for deficient scholarship will remain unimpaired.

Permits Personal Attention

"The plan makes possible more personal attention to the individual. This is an end for which all colleges are striving. For the young man who is liable to fall behind, or who is not developing his own natural gifts and qualities, foresight is better than cure.

"Then such a residential house, where members of the three upper classes live together, gives an opportunity for contact in cultured surroundings of younger with older undergraduates, and of both with instructors. This happens here now only to a limited extent; yet it is an extremely valuable factor in a true education."

Dr. Lowell here struck a seldom sounded chord in saying that there would be fostered also educational "emulation" in the youth gathered, a quality "far too much left out of sight in educational discussion."

"The neglect of this quality," he said, "explains in part the exaggerated interest in athletics which have been organized by the students themselves and therefore based on competition, as compared with academic studies, conducted by faculties and containing little spirit of emulation."

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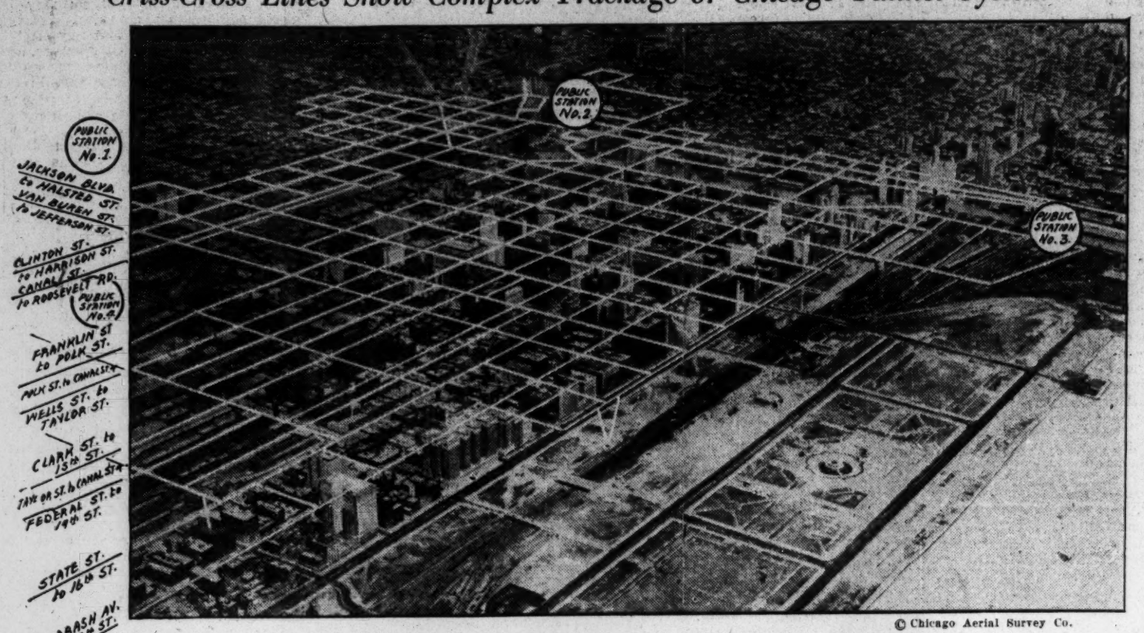
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Criss-Cross Lines Show Complex Trackage of Chicago Tunnel System



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CHICAGO READY TO TAKE OVER 50 MILES OF TUBES

(Continued from Page 1)

has acquired no air of mystery like the underground workings in several great capitals of the Old World. Literature has still to discover it. But the assessor long since found it to place a real estate tax upon the invisible metropolis.

Void of romance, the Chicago tunnel remains just a plain, prosaic freight carrier 40 feet below the surface. Methodically it carries in merchandise to the big stores, hauls away ashes from skyscraper basements, wheels off earth from the deep holes sunk for tall building foundations, carts in coal to warm presidents and clerks in offices by the thousand. Its single claim to celebrity is that it has no duplicate.

Tall With a Long Tail

A beast of burden 50 miles long, 7½ feet tall and 6 feet broad is this creature which appears about, to change masters. For, says the franchise, "all tunnels constructed under the ordinance shall without payment of any consideration by the city become the absolute property of the city."

But the 50 miles are not all the tunnel there is. The system includes 13 miles more, and these, the tunnel officials claim, are the most important. They contain the terminals, the elevators and other paraphernalia of tunnels which make them of value as a transportation agency.

These 13 miles are the hands and feet for the 50 miles of body of Chicago's hidden hauler, and the tunnel authorities declare they are not covered by the ordinance and that the city has no right to them. The difference is that the 50 miles are located on city property and the 13 miles on private property.

All the tunnels under city streets and alleys are owned and operated as the Chicago Tunnel Company, which runs the tunnel railroad. They comprise the 50 miles and are covered by the franchise and subject to its reversion clause. The 13 miles, which do not run under streets or alleys, are separated and operated as a second company, the Chicago Warehouse & Terminal Company, which runs the terminals. Both companies have the same president, their stock is owned by a single corporation, and they are operated practically as one system.

Puts It Up to the City

"There is no question but that all the property of the tunnel company now located on city property will revert to the city," commented Jacob M. Arvey, chairman of the city council committee handling the tunnel franchise. "But there is a serious doubt as to whether the provisions of the ordinance can be enforced except as to the tunnels on city property. Can the properties be divided? If so, the answer can be easily ascertained. If not, some scheme of settling in money must be devised."

Mr. Arvey added that this was one of the few times the city had enjoyed an advantage in dealing with a public utility. "There is not a great public need for tunnel service," he remarked, "and the city has the upper hand."

S. W. Tracy, the tunnel president, who supplies the figure as to the tunnel cost, conceded that those on city property would revert to the city under certain conditions in the ordinance. Chicago is not going to be given 50 miles of tunnel and then forget about it, if Mr. Tracy can help it. The city must either go into the tunnel business on its abbreviated bore or lease its mileage, as the tunnel officials see it. That remains for negotiation in the settlement of the new franchise.

Another Problem Bobs Up

Another point intervenes. The franchise also provided that the tunnel pay annually to the city 12 per cent of its gross revenue during the last 10 of the 30 years of its grant. This is the largest compensation paid by any company in Chicago. The tunnel's early history was marked by financial difficulties. The company says it is willing to pay the 12 per cent on the revenues of the 50 miles on city property. This now amounts to between $75,000 and $80,000 a year.

The city, however, wants the 12 per cent on the revenues of the other 13 miles, too. Because of this dispute the company has not paid anything for 10 years and says it has over $600,000 ready when the city will accept it, which is sufficient for the 50 miles. Alderman Arvey replies that the company owes $1,100,000 and that the city must have the total before it begins to talk franchise.

In making itself over to the municipality, the tunnel has given the city its second surprise. It is not often that this municipality receives any property from a utility, let alone a tunnel.

The other surprise came in the tunnel itself. Back in 1899 the city gave permission to an independent telephone company to build conduits for its lines.

Company Made Most of It

Instead of building small conduits, the company used the permission of its franchise to build large conduits or tunnels. Twenty miles were dug. There was a great commotion when the populace learned that downtown Chicago had been outfitted with all this underground roadway unbeknown to it.

Discussion as to whether a tunnel larger than that contemplated by the ordinance had been built was followed by a new ordinance specifying the size of the tunnel and authorizing its use as a local freight transportation facility. The bore has not been big enough to class as a subway, but some of the aldermen think that the tunnels may be a factor in the subway building Chicago expects to do some day.

The tunnel is a good-sized business. Its annual pay roll runs close to $1,000,000. Its 580 employees make up a little railway system. It operates 3300 cars and 150 locomotives. Some 300 trains move daily over the two-feet gauge track. In a year it handles 600,000 tons of merchandise and removes 75,000 loads of excavated materials and 30,000 loads of ashes. The tunnel obviously helps the downtown street traffic situation. Its officials estimate it keeps 5000 trucks off the streets.

COUNCIL DEFERS ELECTION

Boston's City Council adjourned on Monday without having elected a president for 1929. William G. Lynch is supported for the presidency by one group and John I. Fitzgerald, former chairman of the Democratic city committee, by another.

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Ministers Pledge Aid in Enforcing Prohibition Law

Resolutions Call for Unqualified Support of the Administration

Special from Monitor Bureau

NEW YORK—Resolutions pledging unqualified support to the new federal and state administrations in developing and maintaining public sentiment favorable to prohibition; urging the enactment of a state enforcement law and continued education of youth to the menace of intemperance and lawlessness were adopted at the annual Union Ministers' meeting of the metropolitan district, just held here. The meeting is a yearly event held under the auspices of the Anti-Saloon League of New York to celebrate the advent of constitutional prohibition in the United States.

The first resolution cited the importance of a loyal public opinion to support the efforts of the President and Congress in enforcing the Eighteenth Amendment and pledged "all the assistance in our power to develop and maintain a public opinion that will support every effort for better observance and enforcement of the prohibition law."

The resolution on a state enforcement law emphasized that the Eighteenth Amendment requires concerted action of the various states and declared that enforcement in New York State is badly handicapped by the absence of a state enforcement measure. It called attention to the announcement that Assemblyman Edmund B. Jenks (R.), of Broome County, will introduce at the present session of the legislature a bill providing for a state enforcement law.

The resolution called upon the Legislature to enact such enforcement legislation promptly and urged the Governor to sign the measure.

In a third resolution, the meeting recalled the importance of a "broad educational program" to inform the Nation's youth on the facts concerning beverage alcohol. It called upon churches and all religious and social organizations throughout the country to do their part to keep their constituents informed of the progress of the prohibition movement, the effects of the use of alcohol and the menace of lawlessness in American communities.

Yale Arts School Gets Fellowship

Study and Travel Afforded in Architecture Course—Tuition to Be Raised

Special to The Christian Science Monitor

NEW HAVEN, Conn.—Establishment of a traveling fellowship in architecture in the Yale School of the Fine Arts; appointment of an instructor in costume design in the department of drama, and an increase in the tuition fee of the school of the fine arts, are announced by Yale University.

Charles O. Matcham, a graduate of Yale College in the class of 1925, of Allentown, Pa., and his sisters, Catherine M. Campbell and Dorothy M. Chapman, have established the Charles Arthur and Margaret Ormrod Matcham traveling fellowship of $1000, which will be awarded annually to a member of the graduating class in architecture, for the purpose of study and travel in Europe.

Mrs. Agnes B. Young of Cleveland has been appointed instructor in the history and design of costume in the department of drama. Mrs. Young comes to Yale from the Cleveland Playhouse, where for five years she was in charge of the costumes for the plays produced by the Cleveland organization.

The tuition fee for the department of drama in the school of fine arts has been increased from $200 to $300, beginning with the opening of the college year of 1929-1930, the announcement stated.

$100,000,000 HIGHWAY PROGRAM ADVOCATED

A bill proposing that Massachusetts enter upon a $100,000,000 five-year road-building program under a bond issue to be paid off by motor registration fees and the recently adopted gasoline tax, has been filed in the state Senate by Day Baker for the Massachusetts Automobile Dealer and Garage Association.

Under the bill, according to Mr. Baker, many secondary connecting highways which the towns and cities have not the means to improve adequately would be hard-surfaced by the State. The opening of such routes would reduce distances between many localities and relieve some of the main roads. Sponsors of the plan say it would lift a heavy tax burden from small municipalities without adding to the State's tax.

Italy to Foster Friendships With Near East Nations

Signor Grandi Declares Fascism Needs European Peace for Achieving Ideals

By Wireless to The Christian Science Monitor

ATHENS—Signor Grandi, Italian Undersecretary of Foreign Affairs, is continuing to officiate in the conversations there, discussing among other questions the new situation created in the Balkans. Receiving the foreign journalists, the envoy declared that Italy had one main point of view, the peace of Europe. Italy, he said, is endeavoring to achieve an immense task, requiring a long time, as well as skill and labor before occupying her proper sphere of usefulness.

It is the first time in 50 years, he said, that Italy's unification has become a reality under Fascism. Fascism, he explained, is a plant cultivated for Italy only to meet the special needs of the Italian people; it is not something exportable, and therefore no efforts are being made to disseminate Fascistic ideas in other countries. What Italy needs most is peace, because it is through peace that the great ideals of Fascism can be realized. Hence its urgent desire to establish friendly relations with all countries on the Oriental side of the Mediterranean.

Signor Grandi refused to dwell at length on questions respecting Italy's efforts to bring about an understanding between Greece, Turkey and Italy.

These peace declarations being considered, it was pointed out, contrary to Italy's alleged unfavorable attitude toward the League, Signor Grandi replied that it was unjust to speak of his country as cherishing lack of confidence in the League. This misunderstanding, he said, is gathered from certain ultra-nationalist papers that by no means can represent Fascism. To know Italy's true attitude toward Geneva, he concluded, it is only necessary to consider that Italy is represented in the League by Signor Scialoja, one of the foremost statesman in bringing the League into being.

GUGGENHEIM AIDS CHILE

NEW YORK (AP)—Daniel Guggenheim has announced a personal gift of $480,000 to the Government of Chile for the development of aviation in that country.

CALIFORNIA PASSENGERS SAVE BY USING TOURIST CAR FROM WASHINGTON

Many travelers to points West of New Orleans now go in comfort and save approximately one-half of their sleeping car fare by choosing the through Washington-Sunset Route tourist car leaving Washington, D. C., daily for California without change. Stopovers at Atlanta, New Orleans, Houston, San Antonio and El Paso are permitted. Write for illustrated booklet "B," fares and other details. G. V. McArt, Passenger Agent, WASHINGTON-SUNSET ROUTE, 1510 H St., N. W., Washington, D. C.

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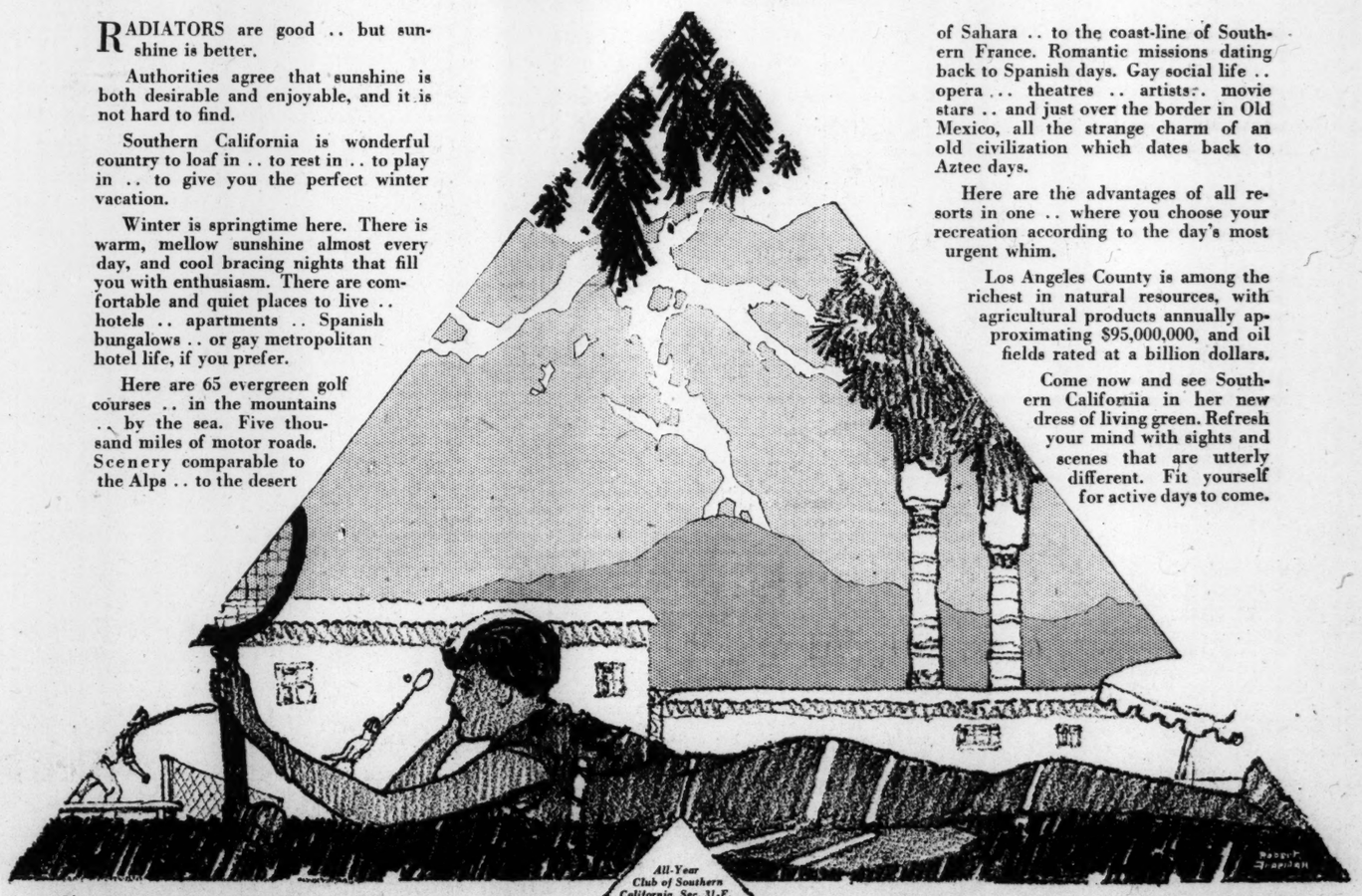
Winter is springtime here. There is warm, mellow sunshine almost every day, and cool bracing nights that fill you with enthusiasm. There are comfortable and quiet places to live .. hotels .. apartments .. Spanish bungalows .. or gay metropolitan hotel life, if you prefer.

Here are 65 evergreen golf courses .. in the mountains .. by the sea. Five thousand miles of motor roads. Scenery comparable to the Alps .. to the desert of Sahara .. to the coast-line of Southern France. Romantic missions dating back to Spanish days. Gay social life .. opera .. theatres .. artists .. movie stars .. and just over the border in Old Mexico, all the strange charm of an old civilization which dates back to Aztec days.

Here are the advantages of all resorts in one .. where you choose your recreation according to the day's most urgent whim.

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FARM INTERESTS OF NEW ENGLAND ACT ON TARIFF

Prefer Adjustments With Quick Relief to Delay of General Revision

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

SPRINGFIELD, Mass.—An adjustment and not a general revision of the tariff is needed in the interest of farmers, in order to give quick relief and avoid the uncertainty of a prolonged agitation, according to the views expressed by leaders at a meeting of 150 New England agricultural representatives called to discuss and recommend a farm tariff program.

It was agreed that any expression of New England farm organizations should be based on trustworthy statistics and go forth as a reasonably unanimous opinion. All the leading commodity groups were represented at the meeting. Glenn C. Sevey of this city presided and S. McLean Buckingham, commissioner of agriculture for Connecticut, delivered the keynote speech.

Tariff increases to be sought by the dairy interests, as tentatively proposed, include an advance from 12 to 15 cents a pound on butter and corresponding advances on milk and cream. The 12-cent duty, it was explained, was written into the present law to offset the lower production cost in Denmark, whereas New Zealand is selling its product here at a still lower price. An increase from 3 cents to 10 cents a pound will be sought on live poultry and from 6 cents to 14 cents a pound on dressed poultry.

Procedure Plan Drafted

An increase from 8 to 11 cents a pound is desired on shell eggs, while on frozen eggs the schedule calls for 15 cents in place of 6 cents a pound, and on dried eggs, from 18 to 45 cents, due to the heavy importations of the frozen and dried products. On potatoes an increase from 50 cents to $1 a 100 pounds is indicated as a likely request.

Resolutions were passed summing up the plan of procedure already mentioned and urging that the rates be made sufficiently flexible so that they can be changed readily as new conditions arise. They ask that "agriculture be given protection equal to any other American industry —no more, no less."

Group Chairmen Appointed

Eight men were appointed to serve as chairmen of their several commodity groups in formulating a case to be presented to the House Ways and Means Committee in Washington and obtaining support for the program when the question comes up for action by Congress.

Harry R. Lewis, Commissioner for Agriculture in Rhode Island, representing the poultry group, will serve as temporary chairman of the general committee. Others, with the interests represented, include: Dairy products, George N. Putnam, Contoocook, N. H.; potato products, Judson Briggs, Caribou, Me.; maple products, George M. Jones, Waitsfield, Vt.; turnips, Fred R. Dill, North Eastham, Mass.; onions, F. C. Clark, Sunderland, Mass.; garden produce, J. P. Estey, Newton Center, Mass.

With Congress Day by Day

BY THE ASSOCIATED PRESS

A proposal to have the War Department purchase all of its supplies in this country except those used in foreign countries or those which were not manufactured in America, failed in the House. The suggestion, made by Charles L. Gifford (R.), Representative from Massachusetts, was ruled out of order.

The plan of Senators Edge and Jones to have an investigation of prohibition enforcement by a commission appointed by President-elect Hoover after he takes office, was sidetracked, for the present, at least, by a Senate committee which questioned the propriety of a Coolidge Congress in directing the action of the Hoover Administration.

Fiorello H. Laguardia (R.), Representative from New York, told the House that hostesses were lending a 5 o'clock tea atmosphere to military training camps. He tried unsuccessfully to have an item of $3750 for their employment stricken from the War Department appropriation bill.

The first standing House Memorial Committee was authorized, consisting of Representatives Burton L. French (R.), Idaho, chairman; Frank Crowther (R.), New York, and Mary T. Norton (D.), New Jersey. It will arrange for one memorial day for the session for members who pass on in office.

The House bill proposing reapportionment on the basis of 1930 census was favorably reported to the Senate.

Kenneth McKellar (D.), Senator from Tennessee, blocked consideration in the Senate of the first deficiency bill.

The Senate campaign funds committee in its report charged irregularities in the 1926 Pennsylvania senatorial contest and set Jan. 24 as the time for Senator-elect William S. Vare or counsel to be heard.

The bill to regulate interstate commerce in bituminous coal was opposed as paternalistic before the Senate Interstate Commerce Committee.

Three House bills to authorize additional appropriations for modernization of the battleships Oklahoma and Nevada, repairs to the California, and for construction of two fleet submarines were passed by the Senate and sent to President Coolidge. The authorized appropriation for the Oklahoma and Nevada would be increased from $13,150,000 to $13,600,000 and for the California from $300,000 to $650,000. The limitation imposed for construction of the fleet submarines would be raised from $5,300,000 to $6,650,000.

The House amended the War Department supply bill to include $10,000,000 for inland waterway development. The amendment, proposed by Frank Clague (R.), Representative from Minnesota, is designed to provide for expansion of the Inland Water Ways Corporation on the upper and lower Mississippi, the Warrior, Missouri and Illinois Rivers.

Music in Boston

Bach Cantata Club

The first public meeting of the recently organized Bach Cantata Club was held at St. Paul's Cathedral in Boston last evening, G. Wallace Woodworth conducting. A chorus of 83 voices and an orchestra of 33 members performed three church cantatas by John Sebastian Bach. For the first of these, Mr. Woodworth had chosen Cantata 61, "Nun komm, der Heiden Heiland" music written for the first Sunday in Advent. The soloists were Mrs. Frederick J. Bradlee Jr., soprano; Joseph Lautner, tenor, and Dr. James H. Townsend, bass. In this work, the chorus gave evidence of the freshness and resilience of its singing, and showed, in addition, a tonal quality of clear brightness. The attacks were good, the phrasing sound, and the singers showed plainly the results of earlier work at Harvard and Radcliffe, for the chorus is drawn from former students at these places.

Cantata 82, "Ich Habe Genug," came next. It is written for a baritone voice accompanied by the orchestra, and contains some rarely beautiful music. Douglas A. MacKinnon did the solo last evening, singing with firm round tones or softly shaded ones, as the need arose, and he brought to the whole a firmness and authoritativeness of manner. He showed a fine understanding of the spirit of the music, blending or contrasting the moods of the work at will.

Cantata '11, "Lobet Gott in Seinen Reichen," brought the program to a close. It is a lengthier work than the others, and possessed of more brilliance than is found in many of Bach's cantatas. Mrs. Bradlee, Mr. Lautner, Dr. Townsend and Mrs. E. C. Schirmer, alto, sang the solos.

The Bach Cantata Club has made an excellent and an invigorating start. There is much room in the city for such an organization which shall devote itself to the best choral music performed with discernment and musicianliness.

John Hermann Loud

John Hermann Loud, a member of the American Guild of Organists, gave the one hundred and thirty-ninth recital of the New England chapter of the organization at the Park Street Church at noon yesterday. Mr. Loud played Bach's' Prelude and Fugue in A minor, three choral improvisations by Karg-Elert, an Adagio from Guilmant's Eighth Sonata, Goss-Custard Fantasia in F minor and a "Jubilee" by Hopkins. A large group gathered to hear Mr. Loud traverse this program with his customary smoothness and ability. The series of "Noon-time" recitals is to be continued by Francis W. Snow at Trinity Church in Copley Square next Monday. C. S. B.

Yelly D'Aranyi

Last night at Jordan Hall, Yelly D'Aranyi, violinist, played the following program: Vivaldi's Ciaconne, Bach's Concerto in E major, Schubert's Rondo Brilliant in B minor, Hubay's Sarga Cserebogar, Hungarian Folk Songs (Bartok-Szigeti), Granadina (Nin-Kochanski), La Vida Breve (DeFalla-Kreisler). Carl Lamson provided accompaniments.

The good-sized audience was proof that Miss D'Aranyi has established herself in the good graces of Boston concertgoers, and her performances of last evening will surely increase her reputation for musicianship, because of the fluidity, grace and rhythmical delicacy of her playing. She never diverts attention from individual qualities of a selection by making a personal display of her technical facility, great as that is. Always her art is at the service of the composer.

The Monitor Reader

(Answers to Questions Asked on the Next to the Last Page.)

1. Better music.
2. Stamps to the value of $75.20.
3. André Kunkler.
4. An intensive loyalty to those with whom and for whom he works.
5. 4,000,000.
6. $4,550,300,000.
7. Industry would primarily be regarded as service to the community.
8. By furnishing capital and immigrants.
9. To declare one's faith in what he believes to be right and true.
10. To abolish it.

When Even the Trees Seem to Have Ears



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The Stage of the Vitaphone Studio Is So Constructed That Powerful Lights Are on the Side, Bearing Down on the Artists. The Microphones, Carrying the Sound to the Recording Apparatus, Are Situated Above, Hanging From Cords, as the Picture Shows. The Scene Represents the Taking of a Vitaphone Picture.

TALKIES USE OLD RECORDING IDEA BUT IN NEW WAY

(Continued from Page 1)

by the narrow neck of the horn and directed against the diaphragm, the latter vibrates in sympathy with the music. Since the lever is fastened to this, the lever also vibrates and working on its pivot in turn vibrates the needle on the other end.

One can try this if one has one of the old-type phonographs. Rest the needle on your finger and have some one shout or talk into the horn and the needle on your finger will vibrate. This cutting needle is then really our "sound pen." Now to get it to write.

If you will take a pencil in your hand and make it swing back and forth in a slow manner, in other words, vibrate very slowly, it will make just a continuous solid short line on a piece of paper underneath. this corresponds to the cutting needle or "sound pen." Just making a single mark over and over on the same place on a paper is of no avail. We must move our hand along to produce legible writing.

The same holds true in sound recording. Now it is much more convenient to move the paper or recording surface than the "sound pen." If you will keep swinging your hand and then quite rapidly draw the paper lengthwise from under your hand while it swings, it will be seen to leave a line waving up and down. This is exactly how sound is recorded.

A Continuous Record

The paper represents the record or film while your hand represents the cutting mechanism actuated by the sounds coming into the machine. Thus a continuous record of all the sound taking place is made. To reproduce this just reverse the process and you have the same identical sound given back to you. Going back to our old type of phonograph, the needle following the rapidly moving groove traces the identical course made by the cutting needle. Thus it vibrates back and forth exactly as did this cutting needle when the sound was recorded. Since a diaphragm is attached to this needle arm it, too, must vibrate as did the original. Being at the small end of a horn, the vibrations are megaphoned out and are intensified and so we hear the music as it was recorded.

Thus is sound recorded. In the modern phonograph or sound recorder, the limitation of energy caused by this crude method of recording is supplanted by high quality electrical audio amplification, similar to that used in radio receivers. This gives perfect control of the strength of various sounds needed and permits microphones with flexible leads to be used to pick up the sound, giving much better results than the old method of crowding everyone around the horn in all sorts of odd positions in order to have their instruments or voices heard.

Film Recording Similar

Recording sound on film is not greatly different from recording sound on a disk record. A light is used as a "cutter" or "sound pen" in this instance instead of a needle. Film is, of course, light-sensitive and this is what makes it take photographs, responding to the many different intensities of light given by the object being taken.

A small beam of light plays on a thin strip of rapidly-moving film for recording purposes. Now since the varying of the intensity of the light is the basic idea of film recording, we must vary the light that plays on the film according to the sounds being heard. The same microphone and amplifier system is used as in the recording system. In the Fox Movietone arrangement a modulating system is attached to the end of this amplifier and this controls a special lamp developed for this work. This lamp responds with lightninglike rapidity to the slightest variation in light. Thus as the sound is made it is picked up by the microphone, amplified and applied to the lamp whose light, focused upon the rapidly moving film, leaves a path of varying light intensity.

Sound in Shaded Lines

This comes out on the film in the form of very fine parallel horizontal lines, whose varying intensity, as in photographing, run the gamut of black and white shades through the various grays familiar to the photographer. Now since only a small perpendicular strip of film is needed, we can take off a little bit of the regular picture, a small strip along its side, and use this for our sound recording. Thus since the sound is made at the exact moment that the picture is photographed the two must be in unison or synchronism at all times.

The Photophone system of R. C. A. uses a similar strip alongside the film for its sound record but here it differs, for instead of varying the intensity of the light by shading, it makes a track of light of varying widths.

Simple analogy of this system, although not a technically accurate description, would be the fastening of a small mirror on the center of our diaphragm, going back to the old phonograph idea, on which a strong light plays continuously. Sound vibrations on the diaphragm cause it to vibrate and swing as would a large mirror swinging on a door. Such a large mirror swung back and forth, with a flashlight playing upon it, would make a back and forth line of light on a near-by wall.

Photographing Sound

If the wall moved along rapidly, as did our piece of paper in the explanation of the "sound pen," and it was made of photographic film material, a wavy line would be the result when the film was developed. This is the basis of the Photophone idea. In actual practice a system of lenses and oscillating mechanism are employed. The Photophone sound record is a solid black line of varying width. To those who know radio apparatus we might state that it is an outgrowth of the oscillograph often used in radiocasting stations for monitoring the amplitude of the output.

In reproducing the Movietone and Photophone films, the now familiar photo-electric cell, the device which made television possible, is used. This is a bulb which is extremely sensitive to light variations played upon it. As the film passes across an aperture behind which is placed one of these cells, a beam of intense light is played on the film from the opposite side. The varying shades or widths of the sound trackage on the film control the amount of light striking this photo-electric cell. This in turn is connected to an amplifier. Since its nature is to cause electrical variations for every variation in the light intensity played upon it, these electrical variations may be stepped up or amplified through audio amplifiers, just as any electrical impulses of a similar nature, and the result is sound, the same sound that was put upon the film in the beginning.

Series of Single Pictures

A film passing in front of the lenses of a motion-picture projector does not run along steadily. A single picture is exposed for a brief moment, being held absolutely still. Then the film is jerked down the distance of another picture, and this one is held still for a brief period. Sixteen of these actions occur per second in ordinary film work.

Now, we must have a steady movement of our recording film. This problem is solved by picking the sound impulses off the film some eight inches after it has passed the lenses. The overall movement of the film is steady and by allowing for a slack loop the regular motion picture action can continue and permit the film to run steadily past the sound pickup cell. Since this same distance between recording and photographing points on the film is maintained in the taking and recording of the scene, the synchronization is perfect.

In order to get finer recording the film is run about half as fast again for Movietone and Photophone work. This gives better sound recording detail and proponents of these systems claim that the action of the picture is considerably smoothed out thereby.

Steel Machine-Cut by German Metal

Material Approaching Diamond in Hardness Designated by Name of Widia

BRIDGEPORT, Conn. (AP)—Manganese steel, largely used in railroad construction and heretofore considered unmachinable, has been successfully machine-cut here with widia, the new metal for tools made by Krupp in Germany, at the Bullard Company plant here. A speed of 39 feet a minute was attained in the cutting process. Twelve per cent manganese steel was subjected to the test.

Widia, which is said to cost $500 a pound, is understood to be the hardest substance known outside of the diamond. Specialists say that the metal will cut porcelain or glass. Its name is seen in the contraction of the German words "wie Diamant," which translate, "like a diamond."

Reports concerning the almost exorbitant cost of the metal relate that although its components are relatively cheap, firms making it in the United States are required to contract to sell at not less than the $500 mark.

RANGERS VS. BRUINS AT BOSTON GARDEN

BOSTON		RANGERS
Green, lw		rw, W. Cook
Gainor, c		c, Boucher
Oliver, rw		lw, F. Cook
Owen, ld		rd, Able
Shore, rd		ld, Bourgeault
Thompson, g		g, Roach

With neither team having been defeated in its last six championship starts, the Boston Bruins, who have won all six of their previous starts, meet the New York Rangers, who have won four and tied two of their last six starts, in the Boston Garden, tonight, in a game which should not only produce some of the fastest hockey seen in the Garden this winter; but which is also sure to tax the capacity of the big building.

The two teams have met twice before this season, Boston winning on its home ice, 2 to 0, and the Rangers winning in Madison Square Garden by exactly the same score. New York will be able to put is strongest team in the field with the exception of Johnson who has been out of the lineup for some time. Boston may be forced to play without the services of its star defense man—Shore—and if he is out of the lineup, the Bruins will be hard pressed to make it seven straight.

Hockey fans will also get their first chance to compare the work of two brilliant former college stars who have joined the ranks of the National Hockey League. George Owen Jr., the former Harvard star, will be starting his fourth professional game and the way he caught onto the professional style in his first three starts, simply shows that he will soon be one of the best of professional players. Lane has been playing with the Rangers since the start of the season and, while the former Dartmouth star is not rated as highly as Owen, he is expected to develop into a fine professional player.

SECRETARY OF HARVARD ALUMNI QUITS POST

Joseph R. Hamlen '04, since 1927 general secretary of the Harvard Alumni Association, has resigned that office, according to a statement issued by the university authorities, to become director for New England of Rudolph Guenther-Russell Law, Inc., widely known financial advertisers of New York City, with offices at 111 Devonshire Street. Mr. Hamlen has succeeded in bringing together under one head the various interests of the Harvard alumni body.

Mr. Hamlen has consented to continue as chairman of the executive committee of the Harvard Fund Council until a successor is chosen. He will also continue as president of the Harvard Alumni Bulletin.

PORTLAND BOAT TO GO

PORTLAND, Me. (AP)—Abandonment of steamer passenger service next summer between Boston, Portland and Boothbay Harbor has been announced by Capt. Eugene E. O'Donnell, president of the Eastern Steamship Lines. The Boston-Portland freight service will be maintained the year round.

Rhode Island Dry Espionage Plans Seek Church Aid

Anti-Saloon League Backs Move to Make Informers of Church Members

PROVIDENCE, R. I. (AP)—A plan to make every Protestant church member in Rhode Island an active informer in the governmental prohibition enforcement system was adopted at the first annual Rhode Island state citizenship convention at the first Universalist Church here.

Thte Anti-Saloon League of Rhode Island, under whose auspices the convention was conducted, was instructed to have blanks printed and distributed among the congregations of the State for the cataloguing of "suspects."

Such data, furnishing information on everybody thought by the observers to be buying, selling or possessing liquor illegally, would be collected from every town and from every ward in the state's six cities, and after passing through a centralized agency would find its way eventually into the hands of the constituted authorities.

The recommendation that a statewide espionage system based on church membership be inaugurated, or at least attempted, was first voiced by the Rev. Harvey M. Eastman, pastor of the Slatersville Congregational Church, and was afterward adopted by vote of those present.

EDUCATIONAL GROUPS STUDY AMALGAMATION

Possible amalgamation of the American Physical Education Association and the National Education Association is being studied by a committee which will report to the physical education group at its annual meeting in December, according to Carl L. Schrader, supervisor of physical education in the Massachusetts Department of Education, who was appointed chairman of this committee at the annual convention last month.

The merger, if made, is to be accomplished within two years, according to the plans under consideration. The physical education organization would then become a department within the National Education Association. Among the questions involved are provision for clerical work, discontinuance of the physical educators' magazine and provision for space in the N. E. A. magazine.

Latin America Urges Press to Show True United States

Uruguayan Editor Pleads for Fair Picture Without Undue Emphasis on Jazz and Crime

First-hand impressions of current economic and political movements in Latin America as glimpsed by the representative of THE CHRISTIAN SCIENCE MONITOR accompanying Herbert Hoover on his good-will tour are appearing in a series of articles, of which the following is the eighth.

By ROBERT S. ALLEN

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

WASHINGTON—Herbert Hoover's good-will tour made it abundantly clear that there is no greater need in the problem of bringing the United States and the Latin Republics to a better and sounder understanding than an intelligent, discriminating and enlightening press.

Time and again it was brought home to members of the Hoover mission that both the United States and the Latin-American countries must be "sold" to one another—that is, their peoples, their governments, their ideals, must be honestly and sympathetically portrayed to each other.

The United States needs to better appreciate the growth and progress that its Latin-American neighbors have made in recent years. Great nations which may well duplicate the growth and prosperity of the United States are well along the way in the southern continent, and the Government and people of the United States, if they desire to realize a true and harmonious friendship with these republics, must recognize that they must be dealt with as equals.

Gains Since the War

Since the World War there has been a tremendous economic and social awakening in Latin America. Several of these countries, the so-called ABC group particularly, Argentina, Brazil and Chile, have participated in international affairs with skill, dignity and ability.

The United States, through its neglect and indifference, has so far played into the hands of hostile propagandists in Latin America. North American "movies," and, above all, sensational press dispatches, have operated to back up the often fantastic and malicious charges against the United States. The need for a "good press" for the United States throughout Latin America is therefore real and urgent.

Latin American leaders appreciating fully the desirability of close harmony and co-operation between their countries and North America are educating such enlightenment. The newspapermen who accompanied Mr. Hoover were repeatedly urged by Latin American editors and others to promote a better type of North American news.

Dr. Francisco Ghigliani, editor of El Dia, of Montevideo, Uruguay, the leading paper of the city and Nation, president of the Montevideo Press Club and a member of the House of Deputies, stressed this factor in a speech to the American reporters at a dinner his colleagues gave them in Montevideo.

To the Root of the Problem

"Much has been said about the need for better understanding and sounder friendship," Dr. Ghigliani declared. "Your race is noted for its great practical genius, so I shall take the liberty of discussing with you a problem that seems to me of the greatest importance; one that goes to the root of some of the difficulties that we encounter between us.

"From your movies and your newspapers what are we to conceive you people as? Divorcees, bandits, criminals, lynchers? When we listen over the radio what do we hear as your music? Jazz. Is this the United States? Is this what you really want us to think you are?

"Of course it is not and I and some others among us know that. But the great mass do not; and it is vitally important to the United States now, and will grow increasingly so as we grow and progress, that the people of our countries should know the truth about you as some of us already know it.

Things They Should Know

"They should know as I know about your great culture; the liberalism, the humanitarianism of your civilization; about your cities; your magnificent schools; your fundamental liberty and democracy; your music, your art, your literature. These attainments are not known in Latin America, certainly not in their true light. And therein lies your task. You as patriotic Americans must work to bring about such enlightenment.

"You should see to it that your movies, your radios, your newspapers and press dispatches carry other things beside murders, jazz, divorces and lynchings. They should tell us about your great social and cultural movements, your economic and scientific developments, about your schools; in short, about the innumerable splendid and liberal things you do. Mr. Hoover, in this good-will journey, has indicated that he appreciates this problem. The press of the United States should assist him in this noble work.

"Nothing is more dangerous than for a nation to show itself or allow itself to be portrayed in a light that is false and untrue. History has repeatedly shown the tragedy of such a course. I take this liberty of telling you thus frankly of these things as a friend and for our mutual interest and progress."

ANTHONY FORCES DISSOLVE

WASHINGTON (AP)—Directors of the Susan B. Anthony Foundation, Inc., convinced that no memorial to the woman suffrage pioneer will be built in Washington, has dissolved.

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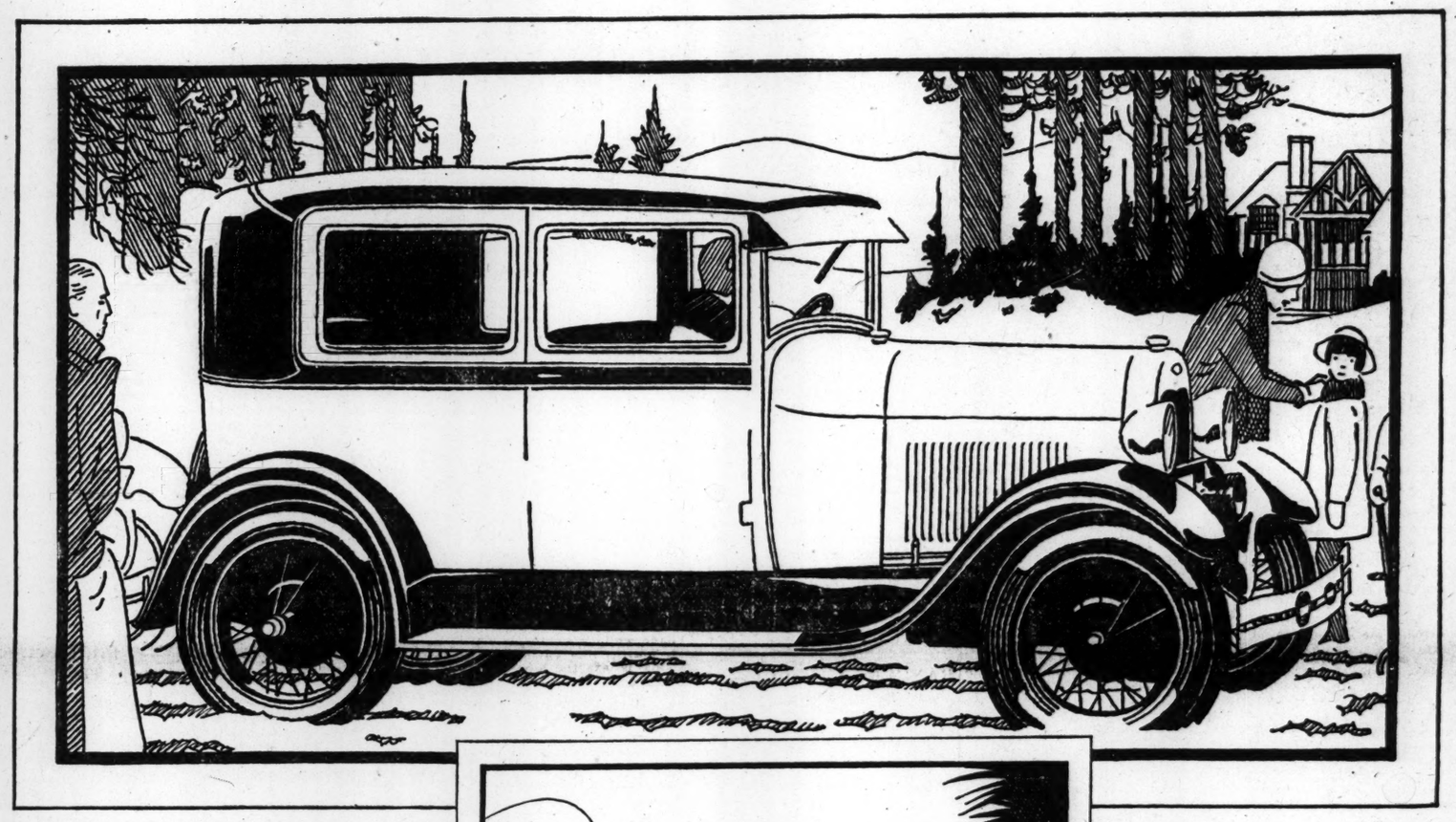
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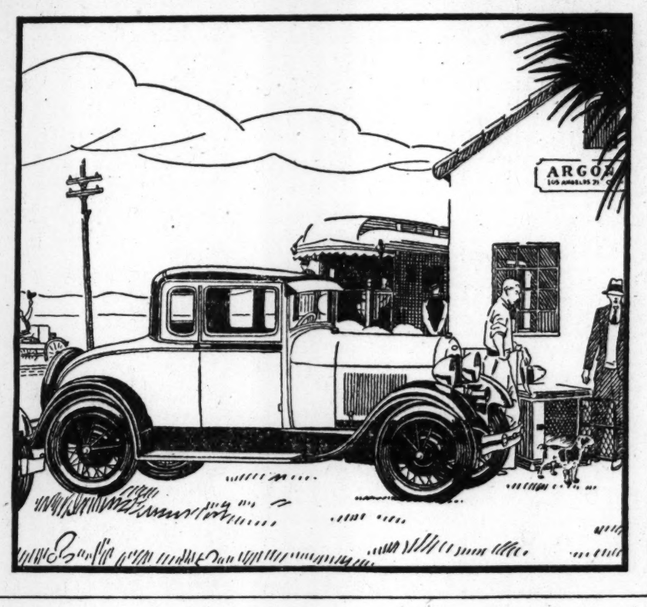
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Ford service more important than sales

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No matter where you live or where you go, you will never be very far from a Ford dealer who has been specially trained and equipped to give you courteous, intelligent, economical service. The cost of new parts is low because of the established Ford policy of doing business at a small margin of profit.

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Ford

FORD MOTOR COMPANY
Detroit, Michigan

RADIO

The Listener Speaks

FEW artists can interpret George Gershwin's songs more delightfully than does Gertrude Lawrence. And seldom is his music better played upon two pianos than it is by Phil Ohman and Victor Arden. These three, who have appeared together in several of Gershwin's musical productions, were the chief attractions of the General Motors Family Party at 9:30 on Monday.

Miss Lawrence displayed the soothing and flowing quality of her voice in "Someone to to Watch Over Me" from "Oh Kay" and then introduced a more vivacious coloring in "Do, Do, Do" and the new "Got a Rainbow" from "Treasure Girl." The two pianists provided a sparklingly cheery arrangement of a group of Gershwin's most popular airs.

A number of other interesting items, including Marimba duets by the Green Brothers and a southern song by Willard Robison, made up the hour. In conclusion the whole ensemble gave a rousing version of "The One Girl," the Troopers' song from "Rainbow" by Vincent Youmans.

As usual this General Motors entertainment appealed to as many different tastes as do the products of the concern itself. Next Monday a new feature offered by a group of Metropolitan Opera stars will be included in the hour.

Following the success of their Cascade Tunnel program on Saturday Night the Great Northern Railway offered at 10:30 the first of a series of "Empire Builders" programs. An "Old Timer" introduced the story of James Hill, the Ontario boy who through the influence of a kindly English Quaker was inspired with a vision of the future of the Northwest which resulted in his building of this railroad.

Another new feature was offered by the Columbia System at 9. "Bob and Mary" visited a lady who had just interviewed Edna Wallace Hopper and had learned from her that her prolonged youth was mainly due to her recognition of the fact that "age must be accepted in thought before it can appear outwardly."

For music lovers, the A & P Gypsies offered a delightful program composed mainly of Spanish numbers, for the prosaic reason that Spanish is the language of the South American country around which this program was drawn and this week has been set apart in that region by interested person. Listeners who prefer talking entertainment were regaled by another of the clever "Real Folks" sketches offered at 9:30 by the Cheseborough group. This time the microphone was placed in the school house at Thompkins Center during a parent-teachers association meeting which had been called by the school-mistress to refute base rumors to the effect that the pupils of the eighth grade were lamentably ignorant. As it turned out they were wisdom itself compared to the mayor and president of the board.

Gertrude Lawrence has recorded the two numbers from "Oh Kay," which she sang in the General Motors Hour, on Victor record 20331. Phil Ohman and Victor Arden have made some 28 records for Brunswick and Willard Robinson figures extensively on the Pathe and Perfect lists.

D. M.

Two American Premières

TWO items of unusual interest, just announced, show more convincingly than reams of discussion the part that radio concerts are playing in the musical world. New music has always had to struggle for its place in the musical sun. Even after being recognized it was usually years before it began to approach general popularity. Limited musical distribution was the cause.

Today, through the big networks, a new number can be interpreted by the finest musicians and sent into the homes of millions of listeners at the same time. If it has merit and the universal appeal necessary for musical success, the decision is soon known.

Musicians, like other artists, have usually been described as living in a garret on a bit of bread and water. Surely they should have some recompense for their efforts. With the sponsor system now in use in the United States this is possible, for a big concern can afford to pay well a composer for his efforts. The sponsor in turn is repaid for the interest in the new and unusual, tied in as it is with mention of his concern.

Coming to the two items, the first is an announcement by the La Touraine company that they have paid $5000 to George Gershwin for the privilege of the premier radio performance of his newest composition, "An American in Paris." The second item is an announcement from the same source that the $10,000 prize composition of the Victor contest for new American music will receive its premier radio performance through the NBC on Wednesday evening, Jan. 16, at 7:30, eastern time, played by the La Touraine Orchestra. This second premier privilege must have also cost this group something.

"An American in Paris" is said to be a superior work and one which should be more popular than the now famous "Rhapsody in Blue." Mr. Gershwin recently returned from an extended trip to Europe, much of which time was spent in Paris absorbing the atmosphere necessary to the composition of this new piece.

"Two American Sketches" is the title of the Victor prize work, written by Thomas Griselle. It contains two movements, a nocturne and a march. Both of these are excellent compositions. Mr. Griselle is a native of Upper Sandusky, O. He was graduated from the Cincinnati College of Music in 1911, winning the Springer Gold Medal at the time. Later he studied the pipe organ in New York and composition at the Conservatoire Americain in Fontainebleau, France.

Of the two movements in Mr. Griselle's offering, the first or nocturne, seems to have the greatest musical value, although the march is a rhythmic effort which finds the audience going along with it in enthusiastic unison. It is in the nocturne that Mr. Griselle's training as an organist is most apparent. He has scored this so that the orchestra sounds almost like a huge organ, the obbligato blending of the various passages being achieved with the easy solidity of a full organ composition.

Surely the opportunity to hear these is a privilege for the listening public, and the La Touraine interests deserve real appreciation of their effort to give this music to the country of the composers' origin.

The program on this date:

La Touraine.....Shilkret
Orchestra
Glow Worm.....Lincke
Nola.....Arndt
Salon Orchestra
Valse Des Fleurs, "Nutcracker Suite."
Tchaikovsky
Two American Sketches.....Griselle
Nocturne
March
Orchestra
Spinning Song, from "Songs Without Words".....Mendelssohn
Piano Solo with Orchestra
Pale Moon.....Logan
Street Sketches.....Shilkret
Orchestra

This concert will be distributed through WEAF, WEEI, WTIC, WJAR, WTAG, WCSH, WGY, WGR, WWJ and WTAM.

V. D. H.

Alfred E. Smith Will Speak Over the Radio Wednesday

Alfred E. Smith, former Governor of New York State and defeated presidential candidate, will make his first public address since his retirement over a coast-to-coast network of the National Broadcasting Company on Wednesday evening, Jan. 16, it is announced. Former Governor Smith will speak from 8:30 to 9, eastern standard time.

The program is sponsored by the Democratic National Committee. The topic to be discussed has not been announced but is said to be "of interest to all parties and to all sections of the United States."

Ernest Bloch's "America"

A STRIKING example of the value of radio in two entirely different directions was given on Saturday night when Walter Damrosch's regular symphony hour was followed, through the same NBC coast-to-coast network, by a celebration of the opening of the new Cascade Tunnel on the electrified section of the Grant Northern Railway. The orchestra program with its weekly offering of a new symphonic composition and with Mr. Damrosch's explanatory remarks regarding each number, appealed directly to cultivated musical tastes—and to those which are being pleasantly cultivated by this means. The tunnel celebration, on the other hand, offered an instance of the power of radio to focus the interest of the whole community upon a notable news event as it is actually occurring.

The central feature of the symphony concert, which opened with Goldmark's "Spring Overture" and closed with the "Magic Fire Music" from Wagner's "Die Walkure," was the second movement from Ernest Bloch's "America—An Epic Rhapsody in Three Parts for Orchestra" which won first prize in the Musical America symphony contest, the judges being the directors of the San Francisco, Chicago and Boston symphony orchestras and Mr. Damrosch himself. Less than a month ago this composition was given its première by the New York Philharmonic Orchestra.

The second movement, which was heard in the Saturday concert, has been called by the composer "Hours of Joy, Hours of Sorrow, 1861-1865." Opening with a southern melody of apparent Celtic origin, it draws together into one strand of national consciousness the different elements represented by Negro, Creole, southern and northern melodies, including "The Old Folks at Home," "America the Beautiful," "Hail Columbia" and "Pop Goes the Weasel." This unified cord of national life is then strained in opposite directions by the opposing interests which were the cause of the Civil War.

The conflict is stirringly symbolized by the struggle for predominance of different songs typical of North and South in the war. There are "Dixie," "The Battle Hymn of the Republic," "Tramp, Tramp, Tramp the Boys Are Marching" and many others, all woven tumultuously together. The movement ends with a suggestion of the distressed and confused thought which prevailed in the period of reconstruction.

The composer, Ernest Bloch, who is a native of Switzerland and a resident of San Francisco, seems to have caught the idea of these stirring times half a century ago, and to have succeeded in expressing it in this musical narrative form—with the aid of the associations connected with the well-known songs which are introduced. For a pure musical picture of the growth of America from all the elements which contribute to it, however, Dvořák's "New World Symphony" still stands alone.

With this thought of the growing unity of America before one, the significance of the Cascade Tunnel program was doubly evident. The engineering accomplishment itself is important in the binding of East and West in closer contact, while the joining of San Francisco, Washington and New York as points of origin for one program in which the President-elect, George Olsen's internationally famous dance orchestra and Mme. Schumann-Heink were all heard by listeners from coast to coast, indicates the real unity of interest which now exists.

D. M.

Programs

EASTERN STANDARD TIME

WEEI, Boston (590kc-508m)

4:30 p. m.—From New York.
5:00 Don Caroll and his music.
5:35 Stocks; business; positions.
6:00 Big Brother Club; Black Beauty; news; Natural Science Club.
7:15 Newspaper sidelights.
7:25 Masterpiece Pianist.
7:30 NBC, Soconyland sketch; "King Robert of Sicily."
8:00 NBC, Thomas A. Edison Company program.
8:30 NBC, Prophylactic program.
9:00 NBC, Eveready Hour; Phil Cook, guest artist.
10:00 NBC, Clicquot Club Eskimos. Clicquot (Reser); Dance of the Paper Dolls (Tucker); Sweet Ida Joy (Foxtrot) (Harris); banjo solo; Light Cavalry Overture (Suppe); My Blackbirds Are Bluebirds Now; Mr. and Mrs. Banjo (descriptive) (Resar); My Annapolis and You (foxtrot) (Bibo).
10:30 E. B. Rideout; news.
10:45 Jacques Renard and his orchestra.

Tomorrow

8:00 a. m.—NBC, Cream o'Wheat Chef and His Musical Animals Bo Peep; Paradise Waltz; Fashionette; By Firelight (arr.); Watching the Clouds Roll By.
8:15 E. B. Rideout; news.
8:30 NBC, "Cheerio."
8:50 NBC, Parnassus Trio; Moonlight and Roses (Lemaire); Obertass (Wienawski); Waltz, "Coppelia" (Delibes); Will You Remember (Romberg); To Spring (Grieg).
9:00 NBC, studio program.
9:15 NBC, Harry Merker's orchestra.
10:00 NBC, National Home Hour.
11:00 Caroline Cabot.
11:15 NBC, Household Institute.
11:30 The Friendly Five.
11:59 News.
12:49 p. m.—Produce market; time.
2:00 Whitefield Laite, baritone.
2:15 Rev. Harvey J. Moore, the Radio Pastor.
2:45 The Friendly Kitchen.
3:00 Neapolitan Dutch Girls.
4:00 News.
4:10 A & P program.

WBZA and WBZ, Boston and Springfield (990kc-303m)

4:30 p. m.—"Antiques," Homer E. Keyes.
4:40 Statler organ, Al Forest.
5:00 Final closing stocks.
5:15 Jerry Falvey's orchestra.
6:15 Markets; agriculture; weather.
6:30 NBC, Savannah Line Ship's Band. Glorianna; Estudiantina (waltz) (Waldteufel); El Dorado (march), (Herbert); What D'Ya Say? (De Sylva); Southern Rhapsody (Hosmer); La Rumba (Breymen); Blue Night (Harms); Smilin' Through (Penn); Twenty-second Regiment (March) (Herbert).
7:00 Chimes; Spotlight review.
7:06 News; insurance finance.
7:16 Bert Lowe's orchestra.
7:25 World Bookman.
7:30 "Sailortown."
8:00 NBC, Stromberg-Carlson Sextet. Sweet Adeline; Can't You Hear Me Calling; Bendemeer's Stream; A Little Love, a Little Kiss (Silesu); Just a Longin', Dear, for You (Hathaway); Sylvia's Hair (Quilter); Off in the Stilly Night; Swing Along, Chillun (Cook).
8:30 NBC, Michelin Men; Irving Kaufman, Avalon Town; Happy Days and Lonely Nights; serenade (Drigo); Song of India; Sally of My Dreams; My Isle of Golden Dreams; My Old Man; Doing the New Low Down.
9:00 NBC, Three-in-One Theater.
9:30 NBC, Minstrel program; A Happy Ending (Von Tilzer); The Runaway Train; How About Me; Keep On Agoin'; The Swanee Jubilee; Don't Hold Everything; Budd Rag; Along the Mobile Shore—Coax Me; the Good Old Ways of the Good Old Day; Just Come Up and Take Your Presents Back (Von Tilzer); What Yer Gwine to Do in da Winter; Katie—the Italian Organ Grinder; Faust—U. S. A. Volunteers.
10:00 NBC, Longines time.
10:01 Sport-O-Grams.
10:06 Corinthian Male Quartet.
10:30 NBC, Freshman Orchestradians; Lannie Ross, tenor, You're Wonderful (Sherman); Glad Rag Doll (Dougherty); If You Want the Rainbow (De Sylva); Cuban Medley; a la Cubana, Havana, Cuban Dances, An Evening in Havana (arr.); Jeannine I Dream of Lilac Time (Shilkret); My Suppressed Desire; Gloriana (Pollack); It's Three O'clock in the Morning; Sleep, Sleep, Sleep; Sleepy Valley; Good Boy (Stothart); I Must Have That Man, "Blackbirds of 1928", (McHugh).
11:00 News.
11:05 Bert Lowe's orchestra.
11:30 Weather; temperature.

Tomorrow

9:30 a. m.—Musicale.
9:45 Dorothy Randall.
9:55 Musicale.
10:00 NBC, Copeland Hour.
10:30 Markets; agriculture.
10:40 Spotlight Review; news.
10:50 June Lee.
11:00 NBC, Forecast School of Cookery.
11:30 Stock market.
11:31 Clifford Kemp Trio.
12:00 Chimes; organ, Manuel DeHaan.
12:30 p. m. — Markets; agriculture; weather; stocks.
3:15 Ampico Musicale.
3:30 Marjorie Mills.
3:45 Garden Gossip, Dr. Jan T. Byhouwer.
4:00 Stock market.
4:01 NBC, U. S. Army Band.

WNAC, Boston (1230kc-244m)

4:30 p. m.—Boston Singers.
5:00 Ted and His Gang.
6:00 Newscasting.
6:05 Studio ensemble — Ballet music: Faust (Gounod); Variation de Cleopatra; Variations of the Mirroe; Gavotte and Menuet, Manon (Massenet); Danse Russe (Trysk).
6:35 Temperature report.
6:36 Perley Stevens and his orchestra.
6:59 Time; news; weather.
7:11 "Amos 'n' Andy."
7:25 Morey Pearl and his orchestra.
8:00 Program by the combined musical clubs of Northeastern University.
9:00 CBS, Hank Simmons' Show Boat.
10:00 CBS, "The Voice of Columbia"; Theme Song (Collinge); Waltz Song, "Faust" (Gounod); Scarf Dance; I Hear You Calling Me (Marshall); Fandango of the Asturias, "Caprice Espagnole" (Rimsky-Korsakoff); The Cossack (Moniusko-MacDowell); Once in a Lifetime; Street Song, "Jewels of the Madonna (Wolf-Ferrari); Polka "The Bartered Bride" (Smetana); Cargoes (Gardner); Fashionette; Ear Rings (Wilson); The Firelit Dark (Winston); Mississippi Suite (Grofe); Slavonic Dance in G Minor (Dvořák); Selections from Rudigore (Sullivan); Gypsy Dance, "Henry VIII" (Saint-Saëns).
11:00 CBS, Wrigley's Royal Canadians with Wendell Hall, ukelelist, and Lee Simms, pianist.

Tomorrow

7:30 a. m.—News; Morning Watch.
8:00 Boston Information Service.
9:00 The Polar Bears.
9:45 Grant's Magic Buyers.
10:00 CBS, National Homemaker's Club.
10:30 Shepard Concert Ensemble.
11:30 Women's Club program.
11:58 Time signals; weather; news.
12:10 p. m.—The Lady of the Ivories.
12:15 Service of King's Chapel.
1:00 Shepard luncheon concert.
1:30 Organ recital, Del Castillo School.
2:00 News.
2:10 Boston Information Service.
3:30 "Our New England Kitchen."
4:00 The Dandies of Yesterday.

WBET, Boston (1360kc-220m)

4:00 Instrumental program by Luigi Calbi of the "And So to Bed" company.
4:30 Harry DeAngelis, pianist.
4:45 News.
5:00 Variety hour.
6:00 Harry DeAngelis at the piano.
6:30 The Counsellor.
7:00 Financial summary; news.
7:11 Ritz-Carlton dinner music.
7:45 Cambridge Post Legion Band.
8:30 Metropolitan Theater studio program.
9:20 Metropolitan Theater stage program.
9:30 Billy Grant, songs.
10:30 Leo Sulkin's orchestra.
11:00 Meyer Davis Le Paradis Band.
11:30 Organ recital by Arthur Martel.
12:30 a. m.—Sign off.

WLOE, Boston (1500kc-200m)

5:30 p. m.—Organ rdecordings.
7:00 Talk on insurance.
7:02 Marie A. Werner, concert pianist.
7:15 Ruth Brodrick, contralto and pianist.
7:30 Venetian trio.
8:00 Ade Rock, tenor; Julia Kramer, pianist.
8:15 Beatrice Conn, concert pianist.
8:30 Hotel Bellevue Concert Ensemble.
9:00 Weather; Scott Furriers Hour.
10:00 Waltham time.

WBSO, Wellesley (780kc-384m)

12:00 p. m.—Midnight Ministry.

WTAG, Worcester (580kc-517m)

6:30 to 9:00 p. m.—From NBC.
9:00 Studio program.
9:30 MacInfies Musketeers.
10:00 From NBC.
10:30 News.

WCSH, Portland (940kc-319m)

7:00 to 9:00 p. m.—From NBC.
9:00 Fifth Infantry Band.
10:00 From NBC.
10:30 Time; news.

WJAR, Providence (890kc-337m)

6:45 p. m.—News; weather.
7:00 to 8:00—From NBC.
8:00 Temperature; Hawaiian Island Quintet.
8:30 to 10:30—From NBC.
10:30 News.

WTIC, Hartford (600kc-500m)

6:25 p. m.—Program summary; news.
6:30 Instrumental Quintet.
7:00 Musical program.
7:30 to 9:00 From NBC.
9:00 Studio program.
10:00 From NBC.
10:30 Organ recital, Walter Seifert.
11:00 News; weather.

WGY, Schenectady (750kc-380m)

6:00 p. m. — Stocks; produce; farm forum; news; weather; time.
6:30 Studio orchestra.
7:00 to 10:30 From NBC.
10:30 Studio ensemble.
11:00 Kenmore dance program.

WABC, New York (860kc-349m)

7:00 p. m.—Chimes; program summary.
7:05 Poets of Harmony.
7:30 Black Rock Boys.
8:00 "School Daze."
8:30 "Beautiful Lady."
9:00 Hank Simmons' Show Boat.
10:00 "The Voice of Columbia."
11:00 Wrigley's Royal Canadians.
12:00 Correct time.

WJZ, New York (760kc-395m)

6:30 p. m. — Savannah Line's Ship's Band.
7:00 Smalle and Robertson, duets.
7:30 "Fundamentals of Law," William D. Mitchell.
8:00 Stromberg-Carlson Sextet.
8:30 Michelin Men.
9:00 Three-in-One Theater.
9:30 Minstrel program.
10:00 The Sixteen Singers.
10:30 Freshman Orchestradians.
11:00 Slumber music.

WEAF, New York (660kc-454m)

6:00 p. m. — Waldorf - Astoria Dinner Music.
7:00 Voter's Service.
7:30 Soconyland sketch.
8:00 Genia Fonariova, soprano.
8:30 Prophylactic program.
9:00 Eveready Hour.
10:00 Clicquot Club Eskimos.
10:30 The Contraltones.
11:00 Ben Bernie's orchestra.

WOR, Newark (710kc-422m)

7:00 p. m.—Time; Roy Sneck, violinist.
7:10 Enginite Boys.
7:30 Laungerol Bubbles.
7:59 Sessions Chimes.
8:00 Main Street Sketches.
9:00 Gurewich Ensemble.
9:30 WOR Stock Company.
10:00 "Shades of Don Juan."
11:00 News; weather.
11:05 Heigh-Ho Orchestra.
11:30 Paramount Hotel Orchestra.

KDKA, Pittsburgh (980kc-306m)

7:00 p. m.—Chimes; University of Pittsburgh address.
7:15 Sacred song concert.
8:00 to 10:00—From NBC.
10:00 Time; William Penn Orchestra.
10:30 From NBC.
11:00 Weather report.

WLW, Cincinnati (700kc-428m)

6:00 p. m.—Henry Thiess and his orchestra.
6:30 Dynkacone Diners.
7:00 Hotel Gibson Orchestra.
8:00 Perfect Circle Hour, with the Cincinnati Symphony Orchestra.
9:00 to 11:00—From NBC.
11:00 Seth Parker's Old-Fashioned Singing School.
11:30 The Quintile Trio.
12:00 Hotel Gibson Orchestra, with Jack and Gene.
12:35 a. m.—Henry Thiess' orchestra.
1:00 Sign off.

NBC ANNOUNCER



RALPH WENTWORTH

JOHN W. DAVIS was making a campaign speech over a National Broadcasting Company network. Unlike most political speakers, he didn't use up the time allotted him—the campaigners usually used more—and the result was a large group of radio stations with nothing to radiocast.

Ralph Wentworth, veteran NBC announcer, was with Davis in the studio. The few other persons in the studio wondered what would happen. Wentworth wasn't worried. He announced the end of the campaign speech and then told his radio audience that the next offering would be a baritone solo. He didn't name the soloist.

Then Wentworth walked over to a piano, played his own accompaniment and supplied a very pleasant ending to the program. Outside of the studios no one knew that an announcer was pinch-hitting.

That incident is typical of Mr. Wentworth. He thinks fast and on many occasions he has done the right things at the right time to the great benefit of all parties concerned.

Wentworth was born in Seattle, Wash., and attended the University of Washington. He studied music and planned for a career on the concert stage. While he studied he taught natural science at his alma mater. The World War came along and Wentworth went overseas.

After the war Wentworth entered Sorbonne, famous French university. Later he returned to the United States.

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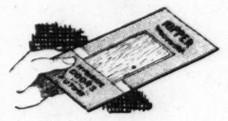
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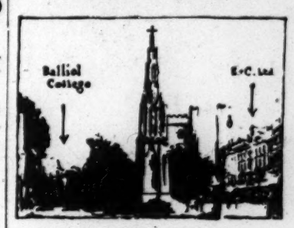
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Theatrical News of the World

Children and the Cinema

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

London

SPECIAL programs of films for children in four London cinemas owned by Berstein Theaters, Ltd., met with such encouragement that this company is continuing the series. It is hoped that the plan will be extended to other cinemas in London and other parts of England.

Not the least interesting feature of this attempt to solve the problem of the harmful influence on children of the average program of lurid, sensational films is being made within the cinema industry itself. The importance of the problem has been emphasized by educationists ever since the advent of the cinema, and the appearance in the police courts of small children, who can only excuse their crimes by referring to the exploits of some film hero or villain, proves that they have not exaggregated the effect of the cinema.

On the other hand, they recognize the enormous educational advantages of travel, nature and similar films and such films have become part of the educational equipment of many schools in England. The cinema, however, appeals primarily to the desire for relaxation and amusement and the purely educational film is never likely to wean thousands of poor children from the habit of a weekly visit to the "pitchers"—the only occasion during a week of rather drab events when their imagination can readily be stirred and their fancies satisfied.

The cinema industry itself has assumed such a form that it is impossible to hope either that the law, which at present only excludes children from certain exceptional films, can be revised to exclude them from all ordinary programs or that the average local cinema proprietor, catering mainly for an adult audience, will meet the wishes of educationists by providing programs suitable for both adults and children.

It seems clear that the solution of the problem of the cinema and the child can only be approached from some such experiement of the cinema industry itself as is being made by Berstein Theaters Ltd.—an experiment, in fact, which aims at providing in the ordinary cinema theater an adequate substitute for the ordinary film program.

It was to carry these arguments into practice that Berstein Theaters organized a children's film section, which selects films solely with the object of providing good, wholesome entertainment and never with the object of providing educational matter—although many of the films shown at the children's programs are of a semi-educational character.

An average program consists of the topical budget, a travel or animal film, a Felix, Æsop or Bonzo comedy and a special attraction, such as Charlie Chaplin's "The Circus" (whenever so expensive a film happens to be on the ordinary program), "Bonnie Prince Charlie" or "Long Live the King."

Such a program is an excellent compromise between the points of view of the educationists and local proprietors and managers of cinema theaters. Only a personal visit to one of these programs can give convincing proofs of the delight of children in watching films which have no sensational developments, no lurid plots and no exotic characters, but which appeal simply to the humanity and love which is in all children.

So far the attendances at the children's programs have been satisfactory. In spite of so low a uniform charge of admission as threepence the box office receipts have been sufficient to prove that the experiment is financially, as well as sociologically justified.

Milne Revue in Chicago

SPECIAL FROM MONITOR BUREAU

CHICAGO — Christopher Robin stepped out of the covers of his book onto a real big stage here and with him of course came Winnie the Pooh, Eeyore the Donkey, three Little Foxes and many other friends, to the delight of Saturday afternoon audiences of boys and girls at the Goodman Memorial Theater.

As adapted for the stage by Miss Muriel Brown and Francis Preeve, A. A. Milne's books served as the starting point for a nursery revue de luxe. How dramatic are the verses they contain is revealed in such scenes as those depicting the King, the Queen and the Dairymaid in conference with the sleepy cow, the reform of Bad Sir Brian Botany and



Winnie the Pooh and Christopher Robin

the changing of the Guards at Buckingham Palace, where Christopher Robin went down with Alice.

The last was one of the grandest. Fancy Christopher Robin and his nursemaid actually talking to the chief of the guards, while four small soldiers of graduated sizes marched with military precision punctuated with surreptitious kicks. It was really the soft brown bear, Winnie the Pooh, however, who most completely won his young audience, if one is to judge by gurgles of appreciation and the spontaneous clapping of little hands.

For the most part the play is a weaving together of the favorite Milne poems made for Christopher Robin, but after a prologue and three acts the piece comes to a high climax on a pirates' island, where Christopher is of course the hero until he awakes in time for an epilogue in his own nursery.

The parts are taken by the students of the Goodman Theater school. Saturday afternoon plays for children are a regular part of the Art Institute drama school program.

Summer Drama School Planned at Surry, Me.

SPECIAL FROM MONITOR BUREAU

NEW YORK—A summer playhouse, school of dramatic art and school of writing is to be established at Surry, Me., within the next few months, according to announcement by Leighton Rollins of the Coburn Theater, who will direct the enterprise. Mr. Rollins said that Mrs. Ethelbert Nevin, widow of the composer, was a sponsor of the project, and that Miss Constance Pardy of New York had offered the use of her 250-acre property at Surry. Plans will be worked out by an honorary committee, headed by Gov. and Mrs. Tudor Gardiner of Maine.

The Surry Playhouse is to have a repertory of four to six plays, one a tryout. Scenery is to be designed by Jonel Jongulesco. Barbara Boyd, English actress and producer, and Judith Elder, American actress, are to direct and act. The Playhouse school will offer a course in playwriting, under the direction of Miss Eva McAdoo. Professor Grace Hazard Conkling of Smith College, poet and lecturer, will conduct a course for students planning to follow a writing career. It is planned to have eight established authors, each pass one week at the school, acting as instructors.

'Pickwick' in London

SPECIAL FROM MONITOR BUREAU

London

AN EXCELLENT entertainment is provided at the historic Haymarket Theater, where a clever stage version of Charles Dickens' "Pickwick Papers" is being presented. Cosmo Hamilton and Frank C. Reilly have made a "scissors and paste" adaptation, but the scissors are sharpened with intellect and brightened with a real love of Dickens. All Pickwickians will delight in the entertainment, as indeed will all the elder members of the audience, the humor being nicely old-fashioned in description. Whether it will make as great an appeal to the present and rising generation remains to be seen. But the whole thing is so bright and seasonable that it bids fair to become a standing Christmas dish for some years to come in London.

The play is divided into six scenes, beginning with the "White Hart Hotel," where we are introduced to Mr. Pickwick, his friends and fellow members of the famous club; Tupman, Snodgrass, Winkle and all the best-known characters of the book, including, of course, Alfred Jingle, Sam and Tony Weller, Mrs. Bardell and the Wardle family. Within the limits of this scene are also enacted various little incidents of a romantic nature which are scattered throughout the book; also the sad scene of the villainy of Alfred Jingle.

Then we are transported to Mr. Pickwick's lodgings in Goswell Street, where we are shown the compromising situation into which he is drawn by Mrs. Bardell. This is followed by the amusing shooting scene at Dingley Dell, where a cast of capital players make bricks without much dramatic straw. Next comes the scene where Sam Weller visits Mrs. Bardell and her lady friends, Mrs. Cluppins and Mrs. Sanders, and they "gits a talkin' about the trial"; to be followed by the great trial scene itself, which was played to roars of laughter. The dialogue, though necessarily cut, is not otherwise altered, and is as telling on the stage as it is in the book. The trial is followed by the moving scene in the Fleet prison, where we see the benign and beaming Pickwick among the wretched debtors, among whom is Alfred Jingle, down and out—pitiful, but not altogether contemptible. Finally the play ends on a merry note at Dingley Dell on Christmas Day.

The cast is enormous and many people distinguish themselves. Those who chiefly do so are George Curzon, as Alfred Jingle, who is admirable—a worthy reminder of Henry Irving in the same part; Bruce Winston, who doubles the parts of Tony Weller and Sergeant Buzfuz. His makeup as the former is splendid, as is his delivery of the famous browbeating speech of the sergeant. But his makeup in this character is by no means so good. The Wardle family, especially Tom and Rachel—Ambrose Manning and Susan Richmond, are all well cast. Mary Clare, as Mrs. Bardell, is an excellent actress, who does her best with a part which obviously does not suit her. Mr. Pickwick is played by Charles Laughton, with exactly the right amount of beaming simplicity and occasional dignity.

The scenery is very well designed and painted by Aubrey Hammond: exactly right, as is the incidental music by Norman O'Neill, the costumes and the whole production from beginning to end, which is to be expected with Basil Dean as producer.

C. F. A.

National Drama Week

National Drama Week will be observed throughout the United States from Feb. 3 to 9. The Drama League of America appeals to everyone who is interested in the theater to co-operate in the observance of this week.

The purpose of celebrating are: to use all possible means of publicity to secure in every city an organized audience of discriminating playgoers who will support artistic productions of professional plays and encourage the study of published plays of merit; to consider the present status and the future prospects of a national drama in an endeavor to take stock of the dramatic resources of the country; to awaken the public to the importance of the drama as the most intimate and most comprehensive medium of self-expression both in and out of the theater, and to secure the active co-operation of all organizations and individuals interested in the promotion of civic life through the means of art.

Drama Week was inaugurated in 1922 by the Drama League of America in an effort to stimulate interest along all lines of dramatic activity and to encourage community work and co-operation. The observance was indorsed by many organizations and met with universal and national response. Schools, colleges, clubs, churches, little theaters unite in recognizing the week, while the professional theater has been generous in its approval and support. Libraries and publishers have contributed largely to its success, and recognition has been widespread.

It is proposed that during National Drama Week special emphasis be placed on the drama. There are many ways in which this can be done. One of the most effective methods has been found to be through the presentation of a well-chosen play by a group of amateurs. One of the newest developments is the production of radio plays, and several states have inaugurated radio teas in order to listen in to these plays. Theater parties have been organized, lectures given, exhibits planned in libraries, stores, schools and churches, and social functions have been held with actors, playwrights or producers as guests. For this purpose the Drama League has prepared special material, which includes programs, announcements, posters and stickers. Some of this is distributed free and the rest is sold at cost. All inquiries should be sent to the national headquarters of the Drama League, 59 East Van Buren Street, Chicago, Ill.

The honorary sponsors for Drama Week include Winthrop Ames, George Arliss, Minnie Maddern Fiske, Lynn Fontanne, Clayton Hamilton, Walter Hampden, Theresa Helburn, Chrystal Herne, Arthur Hopkins, Hatcher Hughes, Charles Rann Kennedy, Eva Le Gallienne, Alfred Lunt, Edith Wynne Matthison, Mr. and Mrs. Otis Skinner, Woodman Thompson and George Tyler. Many national organizations are co-operating this year with the Drama League.

Hans Christian Andersen Program in Copenhagen

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

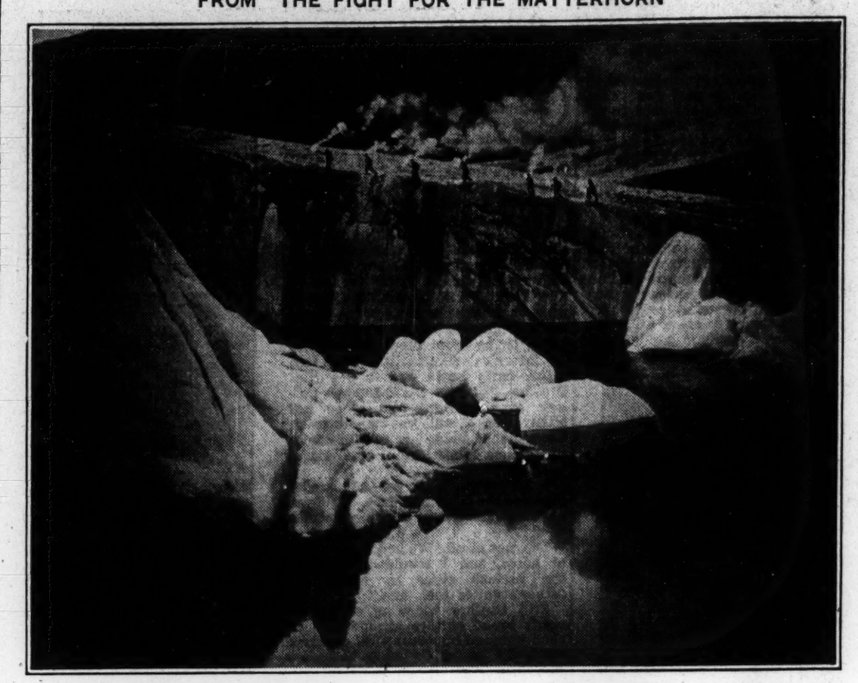
COPENHAGEN—Recently the Berlingske Tidende, leading Danish newspaper, gave a unique entertainment to raise funds for charitable purposes. The ever popular stories of Hans Christian Andersen were read, sung, danced and drawn by some of the best artists of Copenhagen in the Dagmar Theater to an overflowing audience.

Prof. Wilhelm Andersen of the Copenhagen University told the story of the "Swineherd" in such an interesting manner that one could see in imagination the Princess and her attendants, the Emperor and the scene where the Princess kissed the Swineherd, for which she was turned outside the royal gates, singing: "Ach du lieber augusten alles es veck."

One of the actors from the Royal Theater read with much humor about "Lucky Peter" and, as Andersen had been at one time a dancer, a ballet was introduced between the Shepherdess and the Chimney-Sweep, both figures being reproductions from the famous Meissen porcelain. The little Mermaid and the Prince from the castle also danced to an accompaniment played by Fini Henriques, a Copenhagen violinist, who has composed the music for some of Andersen's songs. Johannes Poulsen provided a good imitation of the animals in the "Elvehöj" story, reminding one of incidents in Kipling's "Jungle Book."

The entertainment ended with "The Tinder-Box," read by Miss Gerda Madsen and illustrated, with lightning sketches, by the caricaturist, Storm Petersen, who in his boyish smiling way, drew dogs with eyes as large as tea saucers, a little soldier and a landscape with the well-known Round Tower of Copenhagen, in the distance. There were shouts of laughter when the three dogs gradually appeared, sitting at the royal table of the castle, with "feeders" tied round their necks, enjoying a good meal. As the audience poured out from the theater, it seemed as if they had suddenly stepped into the stories in reality, for snowflakes were falling, and in the "Raadhusplatsen" (Court House Square) the large Chrisimas tree was twinkling, with its many colored lights thrown against a background of the beautiful building of the Court House.

FROM "THE FIGHT FOR THE MATTERHORN"



Permission of Hom Film Co., Berlin

Berlin

RECENTLY the Hom Film Company of Berlin released "The Fight for the Matterhorn," which has for background the daring and fascinating sport of mountain climbing. All the outdoor scenes were photographed in Switzerland on the spot where the action of the story is supposed to take place. It is refreshing to see once again a film made in the open air. To get away from the stuffy atmosphere of the cabaret, the boudoir and the circus into the clear air of the mountain tops is a doubly welcome change when we are shown such lovely views of the Alps in all their grandeur and majesty.

One of the chief difficulties with a film of this type is that it has a tendency to degenerate into a "scenic" reel. The director faces the problem of making nature herself play as vivid and moving a rôle in the film as man, nature not always being amenable to direction. In this case, however, the two Italian directors, Mario Bonnard and Nuntio Malasomma, have contrived to develop a fairly complicated and interesting story to keep interest from flagging.

It plays itself out between the tiny village nestling beneath the shadow of the Matterhorn, upon the mountain sides, and upon the peak itself. It concerns the attempts of two men, one an Italian mountain guide, the other an English tourist, to conquer the Matterhorn peak together. Side by side with this contest with nature runs a human conflict in which a wicked step-brother plays the rôle of Iago. Clifford MacLagen acts this character quite well.

At the end the Matterhorn is conquered, and even though there is catastrophe good finally triumphs, conscience conquering the impulse of revenge.

The film moves throughout with dash and vigor. We experience the storm and thunder of the mountain district, the night journeys of rescue with lighted flares, the early morning rising with the sun, the daring climbing up sheer sides of mountain, the leap across gorges, the swinging perilously upon ropes, and the slithering down into the fine, hard snow.

The spectator is carried higher and higher into the enchanted world of snow and ice, sunshine and mountain mist. He is carried into the heart of an unfamiliar world where he is made to forget the busy town. It is a voyage into the unknown which few can afford to do in fact. But it is a welcome flight in fancy into a world where idealism seems worth while, where the routine problems of the world are left behind, and life is resolved into a peaceful harmony.

The two leading men in the film distinguish themselves, Luis Trenker as the dark Italian and Peter Voss as the fair Englishman. Their rôles call for arduous and daring work, played with an engaging naturalism which is rare upon the screen.

P. B. W.

"The Skyrocket"

SPECIAL FROM MONITOR BUREAU

NEW YORK—At the Lyceum Theater Gilbert Miller, in association with Guthrie McClintic, is presenting "The Skyrocket," a new play by Mark Reed. The cast:

Del Ewing.....Mary Phillips
Mr. Ewing.....J. C. Nugent
Vic. Ewing.....Humphrey Bogart
Mrs. Ewing.....Clara Blandick
Mrs. Bemis.....Lotta Linthicum
Homer Bemis.....Howard Freeman
Oishi, a butler.....Morris Lee
Frank Greer.....Franklin Fox
Reggie MacSweeney..William Broussard
Kitty Marsh.....Dorothy Bigelow
Lillian.....Gwyneth Gordon

"The Skyrocket" is a simple unpretentious re-telling of the story of the young man who achieves wealth suddenly, only to find that it does not bring the expected happiness. The utmost has been extracted by skillful performances from this moderately entertaining play. It is uneven in structure, the last two acts falling short of the level attained by the first. Here is a good deal of quiet humor and keen observation, given authenticity by the players. The portraits of the impecunious but self-confident young man, his wife, his adoring mother and his cynical father are excellently drawn and convincingly projected.

In the first act, the family is seen in its middle class Brooklyn existence with the son earning a meager income collecting pennies from the slot machines on subway and elevated platforms. The second act setting is the Park Avenue apartment to which they have been transported following the successful marketing of a novelty invented by the son. Here difficulties beset the young couple and their happiness is for a time seriously threatened. The last act brings a reconciliation between them following the failure to sell a second novelty and the loss of the profits from the first.

The performances are in all cases competent and J. C. Nugent, as the young man's father, is better than his part. The entertainment value of the play is due in no small degree to his playing of this congenial rôle. Humphrey Bogart and Mary Phillips are satisfactory as the young couple, and Clara Blandick's characterization of the mother is very well done.

A. L. S.

Uptown Players, Chicago

SPECIAL FROM MONITOR BUREAU

CHICAGO, Ill.—The Uptown Players of the People's Church, now in their third season of production under the direction of James Griffin, are rapidly coming to the fore among Chicago Little Theater groups.

A play each month has been the schedule of the Players, with an attempt to incorporate the refreshing and amusing with the serious and more earnest work expected of the Little Theater in order to make the Little Theater movement a factor in the development of the drama and theater in America.

Pictures by London Workers

By FRANK RUTTER

London

NOW open at the Whitechapel Art Gallery is the first exhibition of the East London Art Club. Everyone within visiting distance who is interested in art should make a point of going down to the East End to see these paintings and drawings by working men and women.

The club was formed about nine months ago by Mr. John Cooper, art teacher for over a period of four years to some of its members at the Bow and Bromley Evening Institute. It came into being in answer to a strong demand made by the frequenters of the art room of the institute "for co-ordination in ideas and work," the catalogue tells us. It is comprised solely of working men and women, and numbers among its members several shop assistants, laborers, dressmakers and factory hands, a window cleaner, a basketmaker, a clerk or two, all hard-working people who have gravitated together to study art as best they might.

Financial support was promptly accorded the club by Sir Joseph Duveen, when he learned that the committee was hard put to it to meet the modest expenses of their first exhibition. The question of mounting and framing was dealt with by another patron, Sir Charles Wakefield, who established a fund to be drawn by those who could not afford to frame their work suitably. As many of the artists exhibiting are out-of-work laborers it will be understood how necessary some fund was.

The exhibition shows, primarily, the intense enthusiasm of the members for art. This impression is conveyed mainly by the choice of subject matter. They paint whatever they see around them. Everything is grist to their mill; eating houses, backyards, mean streets, washhouses, signal boxes on metropolitan railway cuttings, refuse dumps, the interior of their own humble homes. Dwellers in the East End of London are surrounded by sordidness and gloom, their ears outraged by incessant noise. Yet all this is susceptible of change into something a little akin to beauty through the alchemy of art. This is what these artists have discovered, and because they have happened upon this discovery they are enabled to triumph over the ugliness of their environment.

Scenes having a strong "human" interest are preferred, naturally enough, by the majority of the members. There is "The Dustbin," by Mr. A. Turpin, which depicts a rummager of food, a spectacle having a tragic rather than an æsthetic quality; there is "The Wash'us," by Mr. A. Hattemore, to prove that a dreary little scullery can become a pleasing harmony in blue and green, and so on.

Mr. Hattemore is the club's most experienced painter, excepting the president, Mr. John Cooper. A large "Interior" by him on view here has already been seen in the New English Art Club Spring Exhibition, where it was hung entirely on its own merits and bought for similar reasons by the Duveen Trust. The artist, who was a navvy for the Metropolitan water board when this was painted, has a strong sense of the decorative, of the purely ornamental, which may be seen most satisfactorily at work in his painting "Flamingo" and in the "Interior" already referred to above. Another extremely competent piece of painting is the "Portrait of Rosie" by B. R. Swinnerton, who spends his days making packing cases and his scanty leisure in pursuing art.

"Snowy Day" by Mr. H. Steggles hints at the artist's as yet not fully developed talent for design. "Romney's House" by Mr. W. J. Steggles is a very pleasant little bit of color. Various street scenes by Mr. Turpin, who in private life is a window cleaner, we are informed, are commendably realistic. Mr. A. Hawthorne's "Conversations in Ebury Street," with its amusing reference to the book of the same title by Mr. George Moore, has wit to recommend it and to make up for whatever faults of draftsmanship the canvas displays. Mr. Hawthorne is a casual laborer and how he ever learned to paint at all is a mystery!

Among the nonmembers' exhibits a charming bust entitled "Hilda" by A. Southwick was particularly noted, and a pleasant painting, "Buddleia," by the same hand. It was agreeable, too, to see again the excellent genre painting "The Double Bass" by the club's president Mr. John Cooper, which made a first appearance at the New English Spring Exhibition. It shows to some degree the influence of Mr. Sickert—who, by the way, is giving, with characteristic generosity, a series of free lectures on the technique of painting and drawing to the members of the club.

Barrie Play in Pasadena

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

PASADENA, Calif.—In presenting "A Kiss for Cinderella," the Pasadena Community Players caught the true Barrie note, both in production methods and in acting. The half-human, half-elfin qualities of the work were predicated both in settings and in characterizations. The quaint little London "slavey," who has more imaginative food than material necessaries, was played by Lenore Shanewise, associate director of the Community Playhouse, in a study that revealed inner moods of the dramatist and his work. Richard Menefee as the policeman contrasted with the generous humanitarianism that marks Cinderella's character. The two players offered a whimsical idyl with charm and naïveté.

Settings for the production were designed by James Hyde, the Playhouse art director. Something of an achievement was touched in the ballroom scene, with its blend of childish imaginativeness and its attempts at adult seriousness, as visualized through the fancy of Cinderella. In this scene, too, Ralph Freud as the king offered a Barrie-esque character portrait.

A film was recently shown in Copenhagen for the benefit of the Russian emigrants in the town, depicting the magnificent coronation festivities of Nicolas II in Moscow, the visit of the Emperor William at the Baltic Port, the mobilization of the army for the World War, a number of different court functions, and happenings in the large Russian cities.

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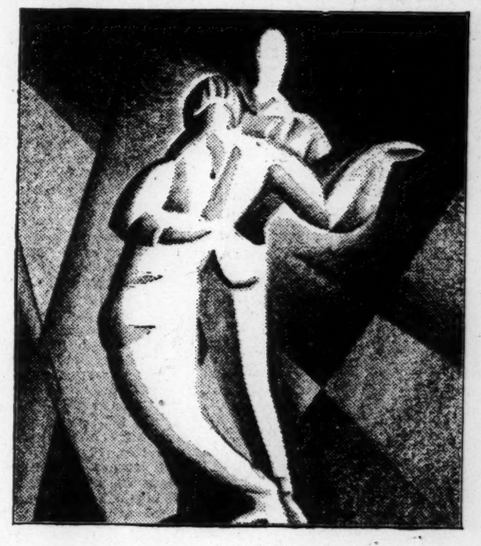
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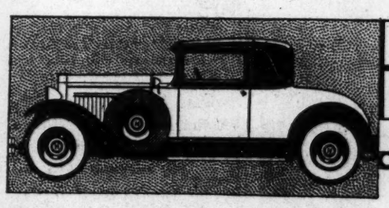
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Women's Enterprises and Activities

Women's Organizations

Activities at the Federation's Washington Home

OUTSTANDING women of the United States have been attending the meetings of the board of directors, executive committee meetings, board of trustees and the meetings of the state directors and state presidents of the General Federation of Women's Clubs in Washington the past week. This organization, which is the largest women's organization in the world, held its board meetings and the reception attended by diplomats, senators and representatives and men and women high in the social life of the capital, in the headquarters building at 1734 N Street N. W., Washington, D. C.

The historic gray stone mansion, now the home of the General Federation of Women's Clubs, was originally built by Admiral Radford, and was later purchased and presented by admirers to Gen. Nelson A. Miles of Indian and Spanish War fame. Later it became the property of Mr. and Mrs. John Jay White, and some of the trophies brought back by Mr. White from expeditions with President Roosevelt still adorn the house. The Czechoslovak Legation for a time housed its ministry here.

The property, its furnishings and equipment as it stands today, is valued at more than $125,000, and is paid for. Every state in the Union contributed toward its purchase in 1922, and individuals from every state have made it attractive with many beautiful gifts.

The Massachusetts Federation of Womens Clubs, in memory of Julia Ward Howe, the first president of the Massachusetts State Federation, furnished the drawing room, which is called the Julia Ward Howe room. The dining room was furnished in honor of Mr. Thomas G. Winter by contributions from all parts of the country. Mrs. Winter is a former president of the General Federation and has visited club women through out the Nation.

The stable in which General Miles kept his horses has been transformed into a tea house, where the hostesses extend a special welcome to visiting club women and their friends and take pleasure in pointing out the original stalls, the great iron hay racks and harness hooks which remain as reminders of those almost forgotten pre-motor days. The tea house is conducted separately from headquarters, as it is leased to its present managers.

The principal work of the federation, which touches more than 125 interests and phases of human endeavor, is carried on through the following departments: American citizenship, American home, education, fine arts, international relations, legislation, press and publicity, and public welfare. There are many special activities such as club institutes, federation extension, junior membership, Latin-American scholarship, and co-operation with war veterans.

A library, a research department, information department, printing and editing department are all housed at headquarters.

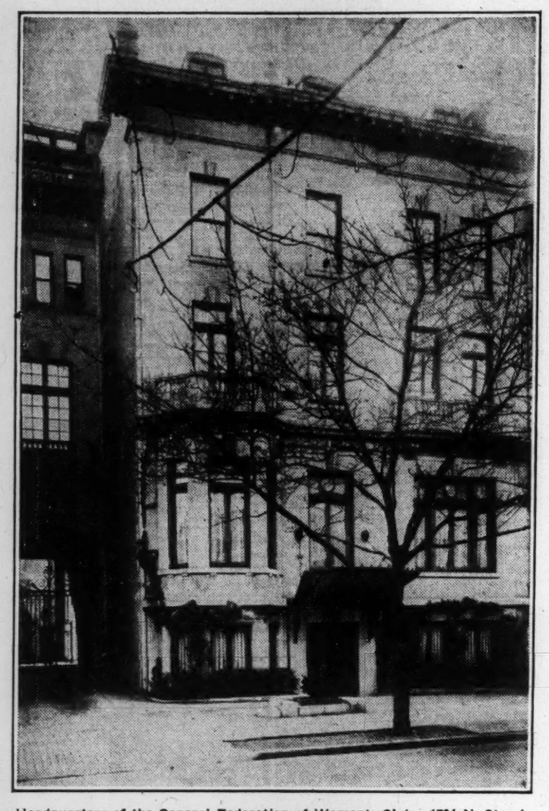
The library represents the thought and care of the organizations and individuals in different states who have selected and given books to it. There are now 2400 volumes, and they are all gifts. Some have been given by state federations, some by individual clubs, some by club women and still others by authors, publishers, individuals and organizations. Nonfiction books by reliable authorities and reference books are most called for. Fiction is seldom requested.

Massachusetts, Maryland, and Arkansas stand tied for fourth place in the honor roll of states presenting books to headquarters library. Indiana heads the list with a total of 64, Iowa is second with 58 books given to the library, and New Jersey is third with 44 books. Massachusetts, Maryland and Arkansas have each contributed 35 books.

Over 1000 books have been sold by headquarters in the past two years, and the commissions are used to extend the service of headquarters. Among the books sold are the "American Government," by Frederick J. Haskin and "The Business of Being a Club Woman," by Alice Ames Winter, and various books on parliamentary law.

The research department, under the direction of Miss Josephine Junkin, receives many strange requests. It seems that no country is untouched, no field of endeavor neglected, nor any personage overlooked. Some even aspire to cover all within the confines of a single paper. Calls for loans of material and books come from every state. The Pan-American Union, the Carnegie Library, and the Congressional Library give material aid to the research department. Calls are numerous from outside agencies; also, libraries, chambers of commerce, schools, newspapers and information agencies are all using the research department at times.

ERNESTINE C. PERRY



Headquarters of the General Federation of Women's Clubs, 1734 N Street, Washington, D. C.

An Art Worker in Zinc

ONE of the most attractive exhibits at the Annual Exposition of Women's Arts and Industries held in New York last October was the display of lighting fixtures in various forms, made of metal and decorated with hand-wrought flowers of painted and enameled zinc.

This caught the eye of the writer and led to an agreeable interview with the exhibitor, the Countess Anne de Montgelas, in her pleasant apartment just off Fifth Avenue in New York. While her skillful fingers were busy with the tools of the metal worker, as she sat at ease in her pretty living-room, the Countess gave the interviewer an outline of her life.

Her early home was in beautiful Dresden, with its world-famous gallery of paintings; and since her father was a well-known diplomat, her girlhood made her familiar with the famous collections of other European cities.

"And where were you educated?" inquired the correspondent. "Did you have special training in any branch of art?"

"No, not at all. We had a governess at home, and I attended school in the various cities to which my father's duties took him."

Still another widening of the already broad culture attained among such unusual opportunities, occurred when the young Countess became a lady-in-waiting at the Court of Luxembourg. Here several happy and congenial years were passed.

Enjoyed Manual Expression

"But what led you to take up this craft of working in metal?"

"To begin with, it was a necessity for me to earn my living," was the frank answer. "I have always liked to do things with my hands, embroidering and the like. So one day when I was admiring a charming old lantern of flower-wreathed metal bars, I said to myself 'Perhaps I could do work like that.' I thought it would be a pleasant accomplishment in itself, and one that held those commercial possibilities which I was seeking."

The idea thus born came rapidly to fruit, so that after a comparatively short time, the young experimenter had mastered the technique of the craft and was able to exhibit specimens of her work. Her clusters of flowers, her lanterns, and wall brackets, and candelabra were greatly admired, and she began to find purchasers, first among friends, and later among the general public. She held exhibitions and made a number of sales both in Munich, where her family now resides, and in Paris.

She is now on an extended visit to the United States and has been successful in selling her work in New York and in Philadelphia, the only two cities in which it has thus far been shown.

Choice of Zinc Unique

"I believe I am the only woman who practices this craft," she remarked.

"But there are a number of women who work in wrought iron," objected the interviewer.

"Yes, but not in zinc, which is the metal I employ."

"Why do you choose zinc?"

"It is comparatively easy to work with, and then it does not rust. I also use galvanized iron wire for stems, tendrils, and so forth."

Later she led the way into the tiny but adequate kitchen and showed the writer a great roll of zinc which had just been delivered.

"I do the rough cutting," she explained, "with these." She lifted a pair of rather heavy shears, known to the trade by the picturesque term of tinner's snips. "Then I use these smaller scissors or shears for the final shaping."

As she talked she bent a round disc of zinc into flutes, which instantly suggested the form of a flower.

"Do you make your flowers naturalistic or conventionalize them?"

"I always avoid realistic imitations, because they smack too much of artificial flowers. I conventionalize them, or stylize them, as we say, seeking, indeed, an art form like the primitives. I admire the primitive."

"What paints do you use?"

"Ordinary lacquer enamel, preferably in rich dark colors. This dries very quickly, in less than 24 hours."

"And how do you sell your articles?"

"Mostly through interior decorators, on whom I call in person."

"And how do you fix your prices?"

"I estimate the cost of the material, and then add a fair amount to repay me for the actual time spent on any given object. But in the last analysis, the personal element comes in. Some decorators can secure better prices for the artist than can others. Many dealers offer to sell on commission, asking to have the article left in the shop on display. But I have not a sufficient number of finished pieces to do that very frequently."

"And what is the range of your prices?"

The artist replied, "The lanterns sell for $150 apiece, and a pair of wall brackets, such as you see, is priced at the same amount for the two. But there is a larger range of prices among the smaller and less elaborate pieces. Many of them, such as candlesticks or pots of flowers, are priced at $25; a very small flower pot, with only a few flowers, is $15.

"Do you sell single flowers?"

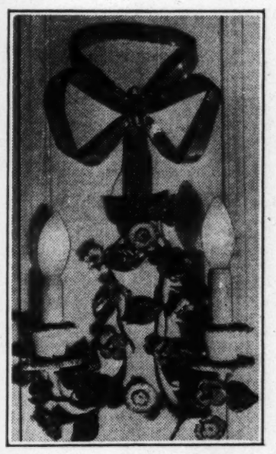
"No. I feel that to secure the best effect and do justice to the work, they should be seen in groups of my own arranging."

"Have you ever thought of making a model to be reproduced on a larger scale for commercial uses?"

"A man came to me with such a proposition, but I told him that it did not interest me. It would no longer be my work," she explained. "I would not care to do it just to make money. I must feel that there is something individual about what I do, some expression of the feeling of the artist. Then each purchaser has something of his own, not a thing which is duplicated by the thousand."



No, These Flowers Were Not Gathered in the Garden. They Were Modeled in Zinc by the Countess Anne de Mongelas.



Wall Bracket Developed in Zinc, by Countess Anne de Montgelas.

Sauces Piquant and Otherwise

Roquefort Cheese Dressing

One-third cupful of Roquefort cheese; ¼ cupful of olive oil; 2½ tablespoonfuls of cider vinegar; ½ teaspoonful of salt; ⅛ teaspoonful of white pepper; a few grains of cayenne pepper. Cream together the cheese, seasonings, and gradually the oil. Beat in the vinegar and use immediately with plain lettuce, lettuce and celery, romaine, chicory, tomato-aspic or cabbage and pepper salad.

Egg and Cottage Cheese Mold

Season cottage cheese with salt and moisten slightly with melted butter. Then butter the insides of individual custard molds. Arrange slices of hard-boiled eggs around the sides and the bottoms. Then pack in the prepared cheese firmly and chill over night or four or five hours. Serve as a meat substitute or on a plate with a leaf of lettuce holding a teaspoonful of mayonnaise dressing.

Sour Milk Salad Dressing

Beat until light the yolks of 3 eggs; add 1 teaspoonful of English mustard, 2 teaspoonfuls of salt, a dash of red pepper and 2 tablespoonfuls of granulated sugar. Beat up the whites of the eggs and add 2 tablespoonfuls of melted butter and 1 cupful of sour milk. Pour all into a double boiler and stir and cook until creamy; add ½ cupful of sour vingear and beat well. If the mixture begins to curdle, remove from the stove and beat thoroughly.

Vinaigrette Sauce

One teaspoonful of salt, ¼ teaspoonful of paprika, a few grains of white pepper, 1 tablespoonful of tarragon vinegar, 2 tablespoonfuls of cider vinegar, 6 tablespoonfuls of olive oil, 1 tablespoonful of chopped sour pickles, 1 tablespoonful of chopped green peppers, 1 teaspoonful of chopped parsley, 1 teaspoonful of chopped chives, 1 finely chopped hard-boiled egg. Mix the ingredients in the order given. This is excellent for cold asparagus, green beans or plain lettuce salad.

Tartar Sauce

One cupful of mayonnaise dressing, 1½ tablespoonfuls of cider vinegar, ¼ tablespoonful of chopped onion, 1 tablespoonful of tarragon vinegar, ½ tablespoonful each of finely chopped capers, sour pickles, olives and parsley. To the mayonnaise dressing add the chopped ingredients and keep cold. This is excellent for filet of sole, flounder or scallops.

Drawn Butter Sauce

Four tablespoonfuls of butter; 2 tablespoonfuls of flour; one cupful of hot water; ¼ teaspoonful of salt; few grains white pepper. Melt the butter, add the flour and seasonings; cook until bubbling and then stir in gradually the hot water. Cook, stirring constantly, until smooth and thickened. Serve with boiled or baked fish or asparagus.

Encouraging Local Ability

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

Baltimore, Md.

THE Baltimore Music Club, a member of the National Federation of Music Clubs, now entering its sixth season, has become an important factor in the musical life of the city and is accomplishing the aims of the federation with marked success. Under the presidency of Mrs. Louis K. Gutman it attained a firm organization and purpose, presenting many splendid programs, and now under Mrs. Harry C. Primrose is continuing this good work.

One of the greatest contributions of the club is its encouragement of local artists and composers, and to further this purpose it always takes an active part in federation competitions. The club is planning several contests here in connection with the spring competitions, greatly encouraged by its success in promoting Hilda Hopkins Burke, a Baltimore soprano, who recently made a fine impression at her début with the Chicago Opera Company and who is scheduled for numerous appearances in stellar rôles. Mrs. Burke was one of the winners in national competition under the Baltimore Music Club auspices.

A recent program presenting a historical survey of the development of music from its earliest manifestations to the seventeenth century, is illustrative of the educational work of the Baltimore club. The research connected with such an undertaking as well as the assembling of soloists, dancers, choirs, and the rare manuscripts, meant an enormous undertaking which consumed many months.

The review illustrated the earliest forms of the dance, the ballad, piano music, incidental music to the drama, and choral music.

The arrangement of the famous Kol Nidre by Bruch-Lewandowski-Weaver-Castelle was an impressive and fitting example of music contained in the ancient Hebrew ritual. The Missa Marialis, among the early ritualistic music of the medieval church, was a fine example of the Gregorian chant. The last group of choral numbers consisted of examples of the earliest schools of polyphonic composition, the Roman, Spanish, English, Venetian.

The group of soprano numbers was of especial interest because two were from a charming ballad opera, "Robin and Marion," by Adam de la Hale, which was presented last spring at the French-Canadian Folk Festival.



Josephine Jeanette

"We Needed Money Badly"

says Josephine Ware—

tells how she and her sister made a lot of it in a business any bright woman can enter.

By PHYLLIS MARTIN

JEANETTE WARE was busy supervising in the kitchen. I found Josephine Ware in her office with a pile of letters before her, but she graciously took the time to tell me her story. The Ware sisters, as you may know, operate one of the most successful tea rooms in New York. These two girls have earned a lot of money for themselves and are now teaching others the secrets they learned. So I came to get their story. And here it is.

"When we came to New York we were very apprehensive," said Miss Josephine. "We started a little tea room, but there were already so many restaurants we could see nothing but failure ahead for us. We were young, inexperienced, had very little money. But we knew how to cook and serve and be friendly to our 'guests.' Our tea room was 'different'—it was more like a *home* than a restaurant. It was pleasingly decorated, yet very simple. We tried to make our place *homelike*. Instead of heaping platefuls of heavy food, we served dainty foods in moderate portions, at reasonable prices.

"After a little while people began to come in large numbers. They came again and again; others came with them. Soon our place was crowded and some of our friends had to wait as long as half an hour to be served. So we moved to larger quarters. Again the same thing happened, and we had to move again.

"Almost any woman of intelligence can do as we have done. Hundreds have done so, in fact. After we became successful some of our friends asked us to help *them* start tea rooms like ours. It was fun to see if our methods would work for others. They worked so well that we decided to teach tea room management to as many women as cared to take up this fascinating profession. Then we began to teach by correspondence and our success was greater than ever. Today there are hundreds of Ware School graduates operating successful tea rooms all over the country."

Josephine and Jeannette Ware have written a remarkably interesting book about their experiences. They would like to send you a copy free. It tells all about tea rooms, motor inns, and cafeterias. If you are interested in earning money for yourself to be independent, if you are seeking an outlet for your womanly home making instinct, your executive ability and your surplus time and energy, by all means write for this book. It will be a revelation to you. If two girls can do what they have done, with the handicaps they had to overcome, surely you can do as well or better with their help to guide you. Write today, for the supply of free books is limited. The Misses Ware can only teach relatively few women at one time. If you live in or near New York you are invited to call on these remarkable sisters at their tea room. Write now to Josephine Ware, Dept. A-21, 52 West 39th Street, New York City.

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Soak gelatine in cold water five minutes. Mix egg yolks, slightly beaten, with salt, mustard and cayenne; then add butter, milk and vinegar. Cook in double boiler, stirring constantly, until mixture thickens. Add soaked gelatine and salmon, separated into flakes. Turn into wet mold, chill, and remove to bed of crisp lettuce leaves.

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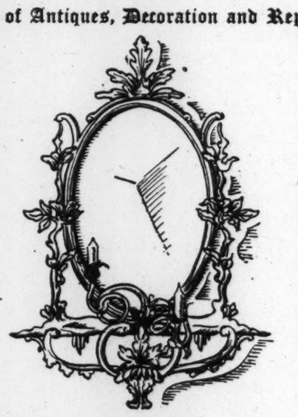


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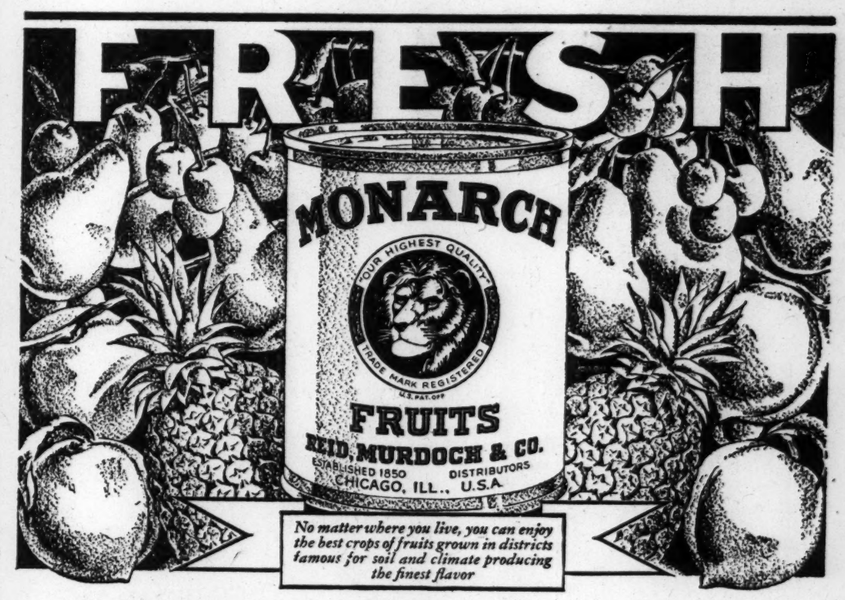


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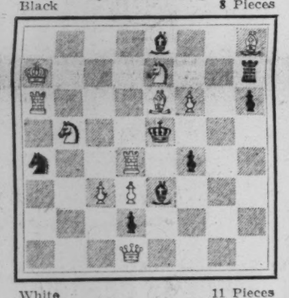
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CHESS

by George A. Ballill

PROBLEM NO. 1061
By C. Wurzburg

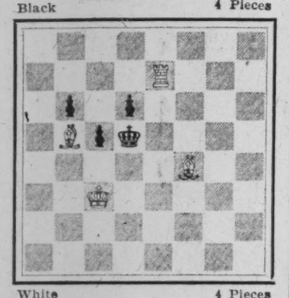
Black 8 Pieces



White 11 Pieces
White to play and mate in two

PROBLEM NO. 1062
Author Unknown

Black 4 Pieces



White 4 Pieces
White to play and mate in three

SOLUTIONS TO PROBLEMS

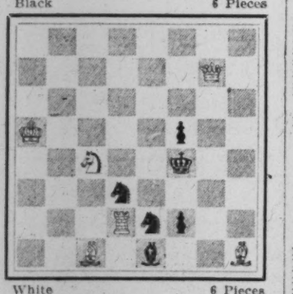
No. 1059. K-B3
No. 1060. 1. R-QB8 K-Q3
2. P-K8(B)
1. K-K3
2. P-K8(Kt)
Prob. Comp. } R-R4
G. Guidelli }

PROBLEM COMPOSITION

An example where the white rook is pinned by the bishop, a piece of different motion.

By H. V. Tuxen

Black 6 Pieces



White 6 Pieces
White to play and mate in two

NOTES

Hastings, England, accorded much hospitality to the visiting chess masters, at the festival of the Hastings and St. Leonard's Chess Club, when F. J. Marshall (U. S.), E. Colle (Belgium), and A. Takacs (Austria) tied for first with G. Koltanowski (Belgium), the only other foreigner in fourth place. The scores:

	Won	Lost
F. J. Marshall, United States	6	3
E. Colle, Belgium	6	3
A. Takacs, Austria	6	3
G. Koltanowski, Belgium	5½	3½
F. D. Yates, England	5	4
R. P. Michell, England	4	5
E. G. Sergeant, England	4	5
Sir G. A. Thomas, England	3½	5½
V. Buerger, England	3	6
G. M. Norman, England	2	7

That the City College of New York should win its league championship, ahead of New York University, last year's holders, need cause no surprise when three of its entries are seen as leaders in the Manhattan C. C. tournament. First class competition in chess goes a long way toward perfection. The scores:

	Matches W.	Matches L.	Games W.	Games L.
College				
City College	3	0	9½	2½
Pennsylvania	2	1	6	6
N. Y. University	0	2	3½	6½
Columbia	0	2	3	7

The first state high school championship held in Rhode Island (for a cup presented by A. Lisker) was captured by W. T. Woods of the Roger High School, Newport, with three straight wins.

H. Ransome Bigelow bids fair to capture the Marshall C. C. championship, New York. Two of his games:

QUEEN'S GAMBIT DECLINED

Hanauer White	Bigelow Black	Hanauer White	Bigelow Black
1 P-Q4	P-Q4	17 Kt-Q2	B-B5
2 P-QB4	P-K3	18 Kt-B4	Q-R4
3 Kt-QB3	Kt-KB3	19 P-KKt3	B-B2
4 Kt-B3	P-B3	20 Q-B3	P-KB4
5 B-Kt5	QKt-Q2	21 B-Kt2	P-B5
6 PxP	KPxP	22 KR-K	B-K7
7 P-K3	Q-R4	23 P-B3	QR-K
8 B-Q3	Kt-K5	24 P-KKt4	Q-Q4
9 Q-B2	KtxB	25 RxB	RxR
10 KtxKt	Kt-B3	26 B-B	R-K3
11 Castles	P-KR3	27 Kt-Q2	P-QKt4
12 Kt-B3	B-Q3	28 Kt-K4	B-Kt3
13 P-K4	PxP	29 Kt-B5	R-K6
14 KtxP	KtxKt	30 Q-B2	QxP
15 BxKt	Castles	Resigns	
16 P-QR3	B-Kt5		

QUEEN'S GAMBIT

Bigelow White	Glass Black	Bigelow White	Glass Black
1 P-Q4	P-Q4	20 Kt-BTch	RxKt
2 Kt-KB3	P-QB3	21 QxR	Kt-B3
3 P-B4	Kt-B3	22 Q-R2	QKt-Q2
4 Kt-B3	PxP	23 P-Q5	B-Kt2
5 P-K3	P-QKt4	24 P-K4	B-B4ch
6 P-QR4	Q-Kt3	25 K-R	B-Q5
7 PxP	PxP	26 P-K5	BxKt
8 P-QKt3	B-R3	27 PxKt	KtxP
9 PxP	PxP	28 BxB	BxP
10 Q-R1ch	KKt-Q2	29 Q-Kt2	Kt-K5
11 Kt-K5	B-Kt2	30 B-K3	Q-K2
12 BxP	P-K3	31 Q-Q4	R-Q
13 QR-Kt	Q-B2	32 KR-K	Kt-B4
14 Castles	P-QR3	33 Q-Kt4	Q-R5
15 B-Q2	B-Q3	34 QxKt	BxPch
16 P-B4	Castles	35 K-Kt	Q-Kt5
17 Q-Kt3	B-B1	36 Q-B2	B-K5ch
18 BxKP	PxB	37 Q-Kt3	Resigns
19 QxPch	K-R		

Prague, Czechoslovakia, reports a tie in the city championship between Prokes and Rejfir.

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In a circular to stockholders of State Street Investment Corporation accompanying 75 cents per share quarterly dividend check to holders of record Dec. 31, 1928, after payment of the 100 per cent stock dividend, President Paine says: The liquidating value of the shares after all expenses and reserve for taxes stood at $192.50 ex cash dividend against a similar value of $107 as of Jan. 2, 1928, representing an appreciation of 80 per cent as compared with an appreciation of 33 per cent in the Standard Statistics Company revised average for 393 common stocks.

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Helping Your Boy to Take Stock of Himself in School Problems

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

Berkeley, Calif.

JOHN wants to leave high school. You are not willing. Let us look into the matter, counting nothing too large or too small to be considered. The underlying reason is, it may be, that John is going through a stage of growth when he is physically restless and mentally lazy. Most boys desire at one time or another to leave school. Many of those who drop out, find it hard later to forgive their parents for having permitted it. A few of those who are forcibly kept in school would be better off if allowed to take up outside work that they like. It all depends on the boy, his ability, what he is fitting for, and school and home conditions. The many factors involved, increase the need of careful examination.

The important thing is the boy himself; yet the same boy can present few or many problems according to whether he is a fit or a misfit in his environment. One of the most responsive and dependable students I ever taught had left his previous school to avoid suspension for "rough-housing."

The first thing, then, is to take account of stock of the boy himself. Is his score good, fair or poor on honesty, reliability, truthfulness? Good, it is to be hoped. Do not despair, however, if there are lapses. One who deals with many boys of from 13 to 18 comes to feel that there is no rule without exceptions.

As to John's scholarship and the question of what he should be fitted for, consult the principal and each teacher as well. The wise principal or vice-principal arranges for reports from each teacher when a student is under discussion, not merely formal reports, but suggestions of possibilities that she may have discovered; she may have found the boy an organizer, an executive, or especially good in some phase of some subject.

Certain things serve as indicative on the negative side; the boy who cannot understand mathematics will not make a trained civil engineer. He may do well in some phase of electrical work. Many a boy who is failing in Latin may excel in mechanical subjects. On the other hand, the student who would have done well in academic subjects may have elected a mechanical course "because the other fellows did," only to find that he has no fitness for it.

Consider His Capabilities

The better reports you get of John's ability, the more reason is there for insisting that he continue through high school and college. Do not confuse what he actually does with what his teachers think he is capable of doing. He may have done the poorest work in the class during the quarter. A well-endowed boy who took home a quarter's record of 4's and 5's, all failures, exclaimed triumphantly, "Now I guess you'll let me leave school."

If the teachers tell you that John is able to do good work, try to devise some way of interesting him in the studies ahead, dropping the subject he especially dislikes if it is not necessary to his future course. The hope of being an engineer has urged hundreds of boys over the hard places in mathematics. The ambition to be a lawyer or a journalist has made English a favorite subject to many a student who would otherwise have disliked it.

It has taken us a long time to learn how severely practical young folks are. "What is it good for?" is their spoken or unspoken question regarding each of their school subjects. School seems to them so unrelated to actual living and to their somewhat uncharted future that they must be convinced of the need of a subject; when that is done there should not be difficulty in getting the work performed. Youth wants to "play the game," and if in the game of living a boy is to be a chemist, you will not often find him rebelling at the time he must spend on his chemistry, though he may resent his geometry and deplore his history.

When the Course Fits the Boy

When the course fits the boy, there should be few rubs, and these few may often be removed by helping the boy to see why he "gets called down" and "crabbed at," as he says. Probably he is noisy. Now just as he would not commend the boy who prepared his algebra while waiting for the signal in a football game, so he cannot expect a teacher to welcome the boys who enter a classroom as if it were a football field. Everybody prefers the feeling of a polished table to that of an unplaned board, and courtesy removes the splinters of noisy manners.

Perhaps John is inclined to be impertinent. He may be unconscious that his manner of answering suggests impudence to those who know him only slightly. Show him that while not so bad as many other things—not for a moment to be compared with cheating or uncleanness—it is one of the things most severely punished where people have to work together. Many a young soldier passed a day in the guardhouse for a speech that some patient teachers would have permitted to pass without rebuke.

One of the troubles may be that John is more or less mischievous and lets himself be used as a cat's-paw. Somebody starts something. He carries it on. Appeal to his observation, his previous experiences, and his good, clear head to have him see that the people who carry on other people's tricks generally get the punishment.

If the teachers admit that John is distinctly motor-minded, that while he is skillful at hand work, he has no especial capability for any of the regular school subjects, consider a Smith-Hughes course of study for him. The mechanical and agricultural subjects widen the appeal that school can make and provide further education for many for whom the usual subjects are ill suited. The manual training and the commercial departments of the high school hold many who would otherwise drop out.

Perhaps your school is so fortunate as to have what many schools are coming to find invaluable—a counselor, or vocational adviser; that is, a teacher who has informed him or herself as to the opportunities for young folk in trades, professions, and other kinds of work, and who stands ready to advise each student regarding preparations for the work for which each seems best fitted. You are fortunate if you can confer first of all with a vocational adviser.

I am writing, however, to you whose boys are in schools where the vocational counselor is yet unknown. I am supposing that the long-tried principal is weary with John's frequent appearances at his office, sent there by the teacher who feels that patience has ceased to be a virtue. I know how that principal feels. I know how that teacher feels. The important question is how John feels; penitent, perhaps, for the moment but more likely irritated, sullen, or blustering; why is there so much fuss about a little thing and why can't he have his own way once in awhile?

Big Fellow With Childish Ways

You look at the big fellow with his football shoulders and his childish impatience, and when you remember how he looked five years ago, you begin to take into consideration the fact that while he has developed rapidly in physique, the mental adjustments are not perfected. There is no reason why you should not say this to John. Show him that you understand him. Tell him that when he feels out of sorts with everybody, it may be because some adjustments are not complete. Tell him something like this: "You don't like to be blamed, do you?" (You are quite sure of his reply.) "You don't like to have either of us or any of your teachers blame you; yet when we teachers do, it doesn't last. Eventually you can get away from us. But there is a man whose candid opinion you would wish to escape, and if you do things he will object to, you can't get away from his clear knowledge of you. Think what it would be to live with him night and day and feel his disapproval. He is the man you will be, but he is powerless now in your hands. He can't be an honest man or a decent man unless you are honest and decent. He won't have any better education than you give him. You don't want him always saying to you, 'I am an ignorant man because you wouldn't go to school.'"

This is paraphrased from one of David Starr Jordan's talks to college boys. Read and have John read Doctor Jordan's essay, "The Strength of Being Clean," with its better subtitle, "The Quest of Unearned Happiness." If you can have it read aloud without John's feeling that it is being read at him, he will like it. I have seen high school boys reading it over and over when it was placed with the reference books at the back of the study hall.

What Is Going On

It is not easy to keep hold of John with his grown-up airs and his juvenile judgment. It is not easy to be silent when one wants to speak, to treat him as if he were a man, yet remember the ways in which he is still a child. It may be that he cares as much for expressions of affection as he did 10 years ago, but he fears that he will seem unmanly.

Only in John's absence should you read together and laugh over Booth Tarkington's amusing story of "Seventeen." Seventeen felt that he was grown up. Accept the suggestion as to how John feels and treat him accordingly. First and foremost, of course, he must be treated honestly and fairly. The sense of justice is strongly developed in the boy.

The more of companionship there is between you and the more John feels that Dad and Mother "count him in," the more readily will he accept your advice or accede to your decisions about school; and the less will you need suggestions as to how to help him to be the best man he is capable of being.

L. B. E.

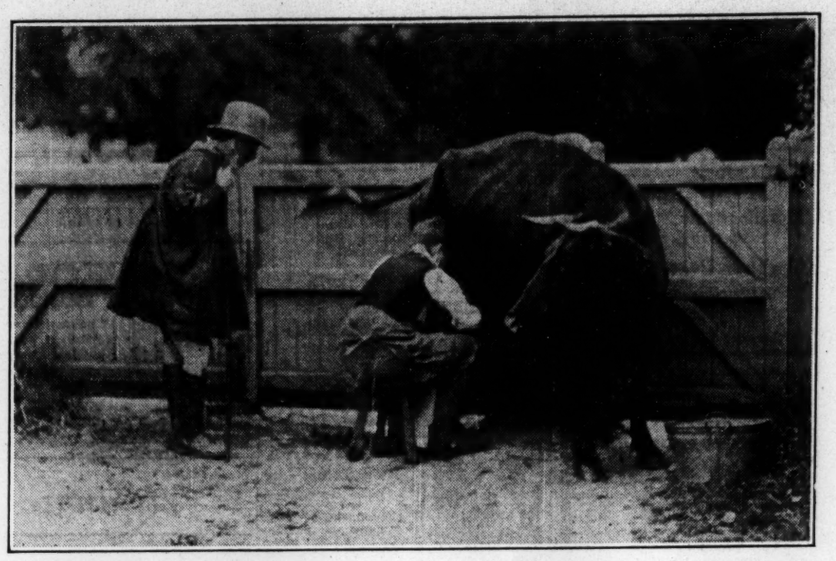
Film Acted by Children, Depicting School's History

SPECIAL FROM MONITOR BUREAU

London

"SIBFORD has a warm place in the hearts of educationists," wrote Sir Michael Sadler, Master of University College, Oxford, and one of the leading British authorities on education, to the little group of Quakers who, without any professional assistance, have recently produced an attractive film on the century-old Quaker school near the ancient village of the "Sheep Ford" among the hills which separate the Thames and the Avon.

This is the first "all Quaker" film and its production has been a labor of love on the part of members of the School Committee, old scholars, staff and boys and girls—and, it might be added, of the school donkey also, who patiently made many, and what must have been to him puzzling starts, during rehearsals for a school excursion picture, dragging the commissariat wagon which never got further than "round the corner."



School Children of Quaker Parents a Century Ago at Sibford Were Taught to Milk. The Scene Is One of the Episodes in a Film Showing Activities Connected With the History of Sibford, a Quaker School, From Its Founding to the Present. The Actors Are Sibford Children.



Scene From a Film Acted by Children and Taken at Sibford, a Quaker School.

The film is not just a series of views of school life. The scenario, mainly by Leslie Baily, an old scholar who is now a Yorkshire journalist, is written around the Old Elm. The Elm witnesses the arrival on an ancient coachlike vehicle (of which one of the masters made a lucky find in an Oxfordshire outhouse) of the company of broad-brimmed and pokebonneted Friends of 100 years ago. They are searching for a building where they may establish a school mainly, though not exclusively, for the children of Friends who have been disowned for marrying out—that is, for taking a partner who was not a Quaker. Happily, today such rigidity has passed away forever.

We see these boys and girls of the days when Queen Victoria was young, already getting a practical education in milking and doing "chores" on the estate. But you also see the suppression of the arts even in very elementary forms which prevailed in the nineteenth century Quaker schools when a stern master breaks up the tin whistle upon which two small Friends are caught practicing, for music of any sort was then tabooed.

But the Old Elm is soon seen smiling at the developments which have taken place in the life of Sibford today. It witnesses the girls at their morris dances on the grass, the boys and girls together in their lessons (which include Esperanto), ground, though you would never guess it was not indoors. We see the girls at their washing and ironing, the boys at their cookery class, children at their pottery work, or microscope investigations, and many other instances of teaching through doing, a method to which Sibford attaches importance.

The picturesque old Manor House is too small for Sibford's present needs. But Sibford is too useful a school and too interesting an educational experiment to be jeopardized by mere "ancient buildings," however interesting, and plans are well on foot for the new buildings a little way off, on firmer foundations.

And so the Old Elm witnesses a band of old scholars, handy and strong from the training they have received, marching out with pick and shovel, and beginning to dig the foundations of the new quarters, where a new generation of young Friends will be able even better to learn what true education really is.

School and film alike are of deep interest to educators of many lands. Friends on both sides of the Atlantic have always been in the van of education. The school itself and this successful method of showing it pictorially to those who can never visit it, are together an inspiration for others to do likewise.

H. W. P.

History and Politics

By HAROLD HOBSON

2. The Prospects of Political Philosophy

THAT a political system should be based on historical thinking if it is not to prove ultimately harmful was shown in the first article. Otherwise, a theory that is perfectly adapted to one set of conditions comes to be unintelligently applied to another, with disastrous results. At the present moment an extraordinarily vivid interest is being taken in the promulgation of new political theories. Whether or not they are likely to prove successful is a question of first-rate importance; perhaps some indication of an answer may be found through a comparison of the degree to which they, and the major political systems of the past, are the product of thinking historically.

Aristotle, Hobbes, and Rousseau are chosen by the University of Oxford, in its honor school of modern history, as the chief contributors to the political philosophy of Europe and America. Of these the greatest is Aristotle. Almost very conception of modern politics is to be found elaborated or suggested in his lectures on that subject. He had classified and compared, defended and attacked monarchy and aristocracy and democracy as rival forms of government; discussed the proper basis of the franchise; devised a system of education that is being copied even today; developed arguments strictly germaine to the conditions in which Russia after the war repudiated the debts of the Tsarist régime; and by becoming the "Philosopher" of the schoolmen of the thirteenth century dominated the thought of Europe at a critical period of history.

What Aristotle Did For Us

The Greeks were a historical people; they had no thought for the future, and, beyond a few legends, little for the past. Aristotle, unlike his teacher, Plato, was a typical Greek; and his conception of politics was thus static. Paying little or no attention to the development of the state in the past, he did not envisage the possibility of its developing further in the future. He regarded the Greek city-state as self-complete, though, as Newman says, it had no church, no properly-developed professions, and only a parochial extent of territory. He had no conception of progress; to him the good citizen was the man who tried to preserve the constitution of his state, not he who tried to improve it. In the most obvious sense of the words, then, Aristotle did not think historically.

There is an important qualification to be made, however. The chief benefit of historical thinking is that it gives variety of experience; it prevents one from generalizing from insufficient data, from regarding as universal and permanent what is merely transitory and local. And this richness of experience is gained, not only because the historian's thoughts are extended in space; he considers not only the condition of England in his own day and in previous ages, but the conditions also, so far as the limitations of his knowledge will let him, of France, and Germany, and America as well. Geographical thinking is an important factor in historical thinking; and it is a faculty that Aristotle possessed in full measure. If he did not illustrate and check his theories by a consideration of the history of Athens, he was far from committing the error of generalizing exclusively from the conditions of the Athens of his own day. He never forgets that there are different, and not necessarily inferior, social systems at Sparta, and Corinth, and Crete, and in Egypt. It is because Aristotle had this partial variety of experience that later peoples, amidst changing circumstances, have found so much of value in his writings. Historical thinking, in the modified form he was master of, is the source of his political greatness.

Hobbes Some but Rousseau More

Hobbes lived in an age that was interested in history. The deductions that he drew from his own experience were, for the time being, true enough; so that his theory of sovereignty, when combined with an adequate regard for those elements of liberty which he neglected, is of much value; but, inasmuch as he was incapable of real historical thinking he represented as the whole truth of politics that small facet presented by the events of 1649, so that his theory is unable to be accepted without serious modifications.

To Rousseau we are indebted for the most powerful exposition ever written of the essential foundation of democracy—the theory of the sovereignty of the people. Like Hobbes, Rousseau generalized from the conditions of his time; unlike Hobbes, he knew that he did so. Since his outlook was not illuminated by a proper historical comprehension, he was able to evolve only a partial system of politics, applicable only in certain circumstances.

Today a keener interest is being taken in history than at any previous time; the multitude of historical works continually pouring from the press is enough to prove this. Nor is this merely a passing fancy; it has lasted too long for that. Macaulay and Froude were best-sellers 50 years ago; and now in 18 months Professor Trevelyan's one-volume "History of England" has sold 46,000 copies. All this cannot fail to have a profound effect upon the development of political science. The work of Professor Laski, for example, is imbued with the historic spirit to a degree that is unknown in the theories of classical writers. The starting point of his politics is the recognition of a fact that, Aristotle, Hobbes and Rousseau never dreamed of—that the state is the product of an historic, and not of an absolute logic, and is therefore not necessarily a permanent form of political organization. For the first time, then, deliberate attempts are being made to apply historical thinking to the problems of politics; with the result that a defect that has repeatedly vitiated the best efforts of the political theorists of the past may be at last removed.

Pronunciation of Proper Names in the News

Aurès Mountains (o-reh'), a division of the inner Atlas of Algeria, where Timgad and Djemila represent the excavated ruins of ancient Roman cities.

Dr. Alfred Sao-ke Sze (saw'ke zē') is appointed Chinese Minister to London, where he will shortly assume charge of the legation. He held the same post from 1914 to 1920.

President Gugglari (goo-jah'rē) of Paraguay has just signed a decree demobilizing the troops called to the colors when the dispute with Bolivia became acute.

Sanchez Mejorada (san-chaith' meh-ho-rah'dah), Mexican Minister of Communications and Public Works, says five-year period of work is now starting with a great expansion of the highway system.

The Parent

We have called this department "The Parent," but it is not in any sense exclusively for those to whom the actual daily guidance of children has been given. We like to think of it rather as a channel for the parent quality of thought wherever it may be, manifested in all its aspects of love for children and young folks, and of an earnest desire to contribute toward their growth and progress. It is our hope that the letters and short articles sent in to the column by those who are finding this department of special interest, may be not only a means of sharing with many the writers' joy in a true unfoldment of the child thought, but also a means of bringing together through a "grown-ups' mail bag" new friends throughout the world.

Springfield, O.

Dear Editors:

I enjoy reading The Christian Science Monitor from the front page to the back, but being interested in plants of all kinds I naturally enjoy nature articles best and watching flowers and children grow up. I have a very sweet four-year-old daughter that seems extraordinarily disobedient, and being as young as she is I have not found any methods of mine successful; so I am asking you to see if anyone in your Parent Column can give me any helpful suggestions for a child so young.

I would be delighted to correspond with any folks that care to write me. I have visited Australia, New Zealand, Samoa, Suva, South Africa, England, and several small tropical islands and have finally settled in Springfield, O., from which I take a few trips to visit my husband as he is a contractor and seldom home.

(Mrs.) M. C. L.

Mason City, Iowa.

Dear Editors:

Having been a thorough reader of the Parent column since its installation in the Monitor, I, too, should like to express my great appreciation.

My husband is especially interested in the construction guides and blue print work found on the Household Arts and Young Folks' pages.

Through the guidance of the Monitor in advertising we have provided our home with "The Bookhouse," which we find invaluable on account of the Ethical Index.

I should be glad to hear from mothers of small children. A little boy of seven begs for a dollar bill to carry in his billfold. This seems unreasonable for the suggestions of loss and carelessness persist. However, I would be glad to hear others' views and experiences along these lines. He has had an allowance of 25 cents a week. Of his own accord he has given his brother money for Sunday school and has used very good judgment in small matters.

(Mrs.) A. P. B.

A Tribute to Dad

"I know when I turn a job over to you I needn't think of it again," remarked an employer to one of his most trusted men, "I know it will be done—and no loose ends for somebody else to grab up."

After the employer had left the office I asked, "How do you account for the establishment of such thoroughness in handling your job?"

He leaned back in his chair, giving me his complete attention as he did so. His reports were ignored for the moment. He pushed his thick hair back, and scratched his head energetically as he thought:

"Well, I think it is because when I was a little tad down in Texas my father had me hoe potatoes." He grinned a bit, and his eyes were full of fun.

I prodded him further. "Not a very pleasant job perhaps?"

"Well, I don't know about that so much. But I do know that when I had finished, my dad would say, 'Potatoes hoed, Son?' and I would try to get him to 'come and take a look.'

"'No,' he would say, 'I don't want to take a look. All I want to know is—are they hoed?'

"So I would hesitate—maybe go out for one more last inspection. I would make sure there wasn't one weed. Oh, boy, I'd give that patch a good one!"

He leaned back in his chair and laughed aloud. "I can see myself, now. Then I'd go back to Dad and say, 'All right, sir, they're hoed.'"

He would never look at them—at least not when I knew it. Always he would say, whatever the job, 'If the job is done right, and the best you can do it, that's all there is to it. I don't have to look—all I want is your word.'

"I guess that's why I never feel satisfied until a job is as right and as complete as I can make it. I can rest easy then. You see, I never depended upon somebody's inspecting my work. I did my own checking up."

V. S. M.

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THE HOME FORUM

And We Live Again in Arcady

WHEN the importunate choir of bird voices burst through my half-shut window this morning I could hardly believe that I was not still dreaming. Whence these songs, long-hushed, save for a solitary plaintive note, by the stern hand of our northern winter? Could I trust my ears? And this warm breeze! Open wide the door! Out yonder a tiny bud on the lilac bush. In homely phrase, the January thaw is here. Upon my wall the shepherd folk for all the world are dancing with new life under the trees—in the picture of Corot.

"Ah, happy happy boughs! that cannot shed
Your leaves, nor ever bid the Spring adieu;
And, happy melodist, unwearied,
For ever piping songs for ever new."

"Fair youth beneath the trees, thou canst not leave
Thy song, nor ever can those trees be bare."

Then it was not untimely for me to be living for the past day or two in the Arcady of the shepherds! I had thought them not quite seasonable in a prosaic harmony with the almanac. But now I see my error, and by your leave on this enticing January day I must let them dance out of my Corot and out of many a poet's picture and troop in through your hospitable door.

Here comes Thyrsis out of the very first pastoral poetry of master Theocritus. He shall have the honor of leading forth our long procession, for he has given his name and character to countless gay rustics since he first piped to his Sicilian sheep three centuries before our era. To the companion who follows he exclaims:

"'Fore the Nymphs, I pray you, master Goatherd, come now and sit ye down here by this shelving bank and these brush tamarisks and play me a tune. I'll keep your goats the while."

But master Goatherd modestly demurs and entreats Thyrsis, who gracefully yields and sings a country song of simple joys on the greensward as he tends the flocks.

So let them pass on in bucolic song echoing from the idyls of Theocritus, earliest and loveliest of all Arcadian strains. They must give way before the press of another Thyrsis and Lycidas, and Corydon, Tityrus, Damoetas, and all the rest, hymning Virgil's Golden Age, How enchanting the song of these:

Where Hybla's bees o'er flowering willows rove . . .
Then may be seen
Light-footed fauns and creatures of the wild
All tripping to the measure, and stout oaks
Nodding their topmost boughs.

We can believe that,
With not less joy
Parnassus stirred when golden Phoebus sang.

Hark to the voice of Corydon as he apostrophizes his pastoral scene:

"O mossy spring and grasses soft as sleep!
O roof of arbute shadows o'er them spread!
Protect my flock at noon-tide! For 'tis now
The summer's fiery star; our vineyards glad
Put forth full-swelling clusters day by day.

Our groves are juniper and chestnuts brown,
The fallen fruit lies under each fair tree,
The whole world smiles."

And when twilight falls—Tityrus invites us, taking up the antiphonal accent,

"Yet enter here and take tonight thy rest,
Sound-sleeping on my pallet of fresh green.
Ripe chestnuts are within, full mellowed fruits
And curds in plenty. Look! The smoke ascends
From each thatched roof-top in the lowland vale,
And widening shadows from the mountains fall."

Never could they weary us with such allurements, though their song were many times as long as the ten short eclogues of Virgil. Simple folk are they, dressed in ancient garb of rude skins, bearing shepherds' crooks in one hand, and rustic "oaten pipes" in the other. But you will see that they are not quite so commonplace as they profess in their pictures of naïve rural life—not with those names, Thyrsis, Corydon, Lycidas, redolent of a mellow classic past. Utterly disarming in their gay abandon, they are artfully artless in the very perfection of their rustic song. Only in graceful play do they speak of toil or struggle; and neither doubts, want, nor sorrow ever visits their bucolic paradise.

Obeying the law of compensation they emerged from their rural retreat to bring fresh reminders of carefree joy and virtue among decadent times in the ancient world. To dwellers in crowded cities, longing with inarticulate desire for the open country, they brought the very fragrance of simple woods and fields and the very incarnation of rustic innocence. Supplementing the idyls of patriarchal simplicity in the Old Testament, they fixed for all time the rich tradition of the "pastoral."

Through the medieval times they almost disappear, but early in the Renaissance, behold, the long train which entered with Thyrsis and Corydon forms again. How they throng forth from the countless poems (and now also from drama and long prose tales) of various lands! These sumptuously bedecked figures from the once famous Arcadia of Sanazzaro and the Arminta of Tasso, together with the Astrée of d'Urfé, may look strange to us as they pass by with artificial mien. But here come the more familiar swains, Strephon and Clalus, stepping forth from the Arcadia of Sir Philip Sidney, and assuring us in excellent English that they belong to a "happy people wanting little"; as who would lack in a land with "meadows enameled with all sorts of eye-pleasing flowers, thickets lined with pleasant shade" harboring "many well-tuned birds. . . . with here a shepherd boy piping as though he never should be old, and there a young shepherdess knitting and withal singing, and it seemed that her voice comforted her hands to work, and her hands kept time to her voice's music?"

A most winning English accent is this; yet the sentiment comes straight from Virgil. More independent at least in name are these hardy British shepherds, Colin Clout, Digoon, and Cuddie, who follow close, stepping forth from Spenser's Shepherd's Calendar. Through every month of the year they modestly engage to tell you a winning tale of their uneventful yet charming experience.

Well did they all learn this old, old pastoral song, these many bucolic voices who pipe on for two more centuries at least after Spenser's Colin. Let them pass rapidly before us now and gracefully fade from sight. For most of them have become shadowy figures in these latter centuries. Yet the literary tradition from which they spring has been refashioned at times into an instrument of supreme power. Nothing less than pastoral is Milton's Lycidas:

"For we were nursed upon the selfsame hill,
Fed the same flock, by fountain, shade, and rill;
Together both, ere the high lawns appeared
Under the opening eyelids of the morn,
We drove a-field, and both together heard
What time the gray-fly winds her sultry horn,
Battening our flocks with the fresh dews of night,
Oft till the star that rose at evening, bright
Toward heaven's descent had sloped his westering wheel."

And Shelley's Adonais, too, that other surpassing threnody, was inspired by the ancient eclogue.

It was Wordsworth, however, who destroyed the spell of the pastoral. Against the convention persisting up to his time in sadly faded form he opposed his Michael, named A Pastoral with virtually ironic and surely with polemic intent, as much as to say, "Here is the shepherd as he is."

So the echoes of Corydon's strain die away, and Thyrsis for us is only a memory. The long procession has passed in music from our sight. But I for one from time to time entreat them to return. For I would join their gladsome band when they sally forth again to greet the spring. Even on this winter day I would hear again their song around the hearth and

heed no more
The frosts of Boreas.

P. K.

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A Game Pre-Eminently English

If an Englishman is asked what is the most typical national game he will not say football, but cricket. This does not mean that cricket is the most popular game and that a cricket match draws most spectators, but the game is pre-eminently English. On no other soil and in no other country can it truly flourish. And in this case English does not mean British. The Irish are British citizens, but they are by no means English; certainly, they are not cricket enthusiasts. In England the game has existed and will exist for centuries. Cricket is a phase of English mentality, a . . . product of English temperament. No pundit has thought it out, no one has organised it; it has grown up in the most natural and popular manner, like a folk-dance or a folk-song; an amusement for villagers who collected on the green of an evening for games and dancing. No manager, no professionals, no High Schools of Sport (even to-day you would search for these in vain in England) and no instructor. People wanted simply to play and be happy. Today at Lord's cricket ground in St. John's Wood or at the Oval, south of the Thames, with their stands and enclosures for eighty thousand people, it is difficult to remember that this is the good old village cricket; they seem to have been a different race who were once content with a village green, a fiddle and good humour. But if we leave the capital, where every step costs money, for the city's environs, and get out into the meadows and hills, figures clad in snowy white appear here and there among the tree-clumps and bushes; they are strangely grouped, now stooping tensely, now in sudden movement. Near them stand a little crowd of old and young people in the evening sunlight, watching the game. It all fits into the simple loveliness of the landscape. The control and restfulness of the picture faithfully represent the character of the participants. . . .

Cricket, the most typical of all English games, affords concrete proof that the mere game is of far greater importance than the scores and results which tend to obscure its . . . significance. And the more the amateur spirit sets its face against the commercialisation of sport and play, the more distinctly will play emerge as a feature of a harmonious culture.

The important thing in cricket is that everybody can play it, even those whose aptitude for other sports is questionable. The . . . cricketer is a genius, but every one can enjoy the admirable atmosphere surrounding the game and appreciate the picture of white figures on the village greens. And not necessarily as a spectator, for no one is too young, nor yet too old. When in the evening children pitch the stumps on lawn or green, sisters, fathers and grandfathers are both willing and successful fielders; they may even prove useful as batsmen or wicket-keepers. The father takes off his coat and straightway enters into the spirit of the game. . . . Detractors complain that cricket is too slow, but this is really one of its attractions; for no one needs to be an athlete to play every-day cricket. And the equipment is simple. Six stumps, two bats, a ball, and a few pads suffice for the amusement of twenty-two players. But you can get along with one set of stumps and one bat—often enough in the London streets a lamp-post and a stick have to suffice.—RUDOLPH KIRCHER, in "Fair Play: The Games of Merrie England."



Aladdin's Land. Beyond the Arctic Circle.

White Magic

Now lies a hush of whiteness on this land
Where Winter with a delicate pure hand
Has painted beauty on the commonplace.
The trees are turned to ghost-white coral groves
As still as stone. Here no bird moves.
And round the garden is a wall
Of frosty filigree more magical
Than things Cellini wrought.
The cornfield is an ivory colonnade
Where sparrows' rendezvous is made
To glean the pearly grain. Behind a caul
Of fronded weeds' hoar-lace
Crouches a polar-rabbit sought
By silent-footed foe.
The rich warm bosom of the field
Now fallowing for next year's yield
Is bossed with drifts of gleaming snow.
And all this loveliness of silvered quietude
Brings to the troubled heart earth's old beatitude.

ALTA BOOTH DUNN.

SHEETS of quiet water, colored with the blended glow of sunset and of dawn. The midnight sun is touching the ocean rim, beyond black island peaks which rise sheer from the sea. Such is the picture the traveler brings back from a summer on the coast of Norway, beyond the arctic circle. Aladdin's land, someone has called it. Certainly to those who have spent most of their lives where night falls swift and dark the year around there is witchery in those sunlit summer nights. Night literally turned into day, and the sun a magic lantern displaying a continuous panorama.

In that shimmering light, legends of the Norsemen seem more alive than sea, or sky, or sun. Those boats with high carved bow and stern, rowing toward the cruising steamer, might so easily be a full-rigged Viking fleet on a voyage of conquest. That lusty shout from the head of the fjord—could it be anything but a skoal at some great banquet? And the maid on shore—surely she or her counterpart has been there through the centuries, watching her men out to sea, and waiting for the first glimpse of a returning sail.

Waterfall House

The place, obviously, had once been a mill. The mill-pond could be seen above and some relics of the dam that restrained the waters. These very walls had once echoed to the sound of ponderous wheels, had been tapestried with cobwebs and powdered with the dust of golden-meal; but all that was long ago. The wheels were gone now, the stone walls had been scraped outside and in, many windows let in the sunshine, so that what had been a mill was now a gentleman's house. Two rooms of that house, however, were built exactly over the stream itself, just where it broke into flashing light and musical clamor at a little waterfall, and every room was filled all day and night, at all seasons of the year, with the song of falling water.

Standing on the bridge a hundred feet down stream and looking up toward the house there was visible, hovering just above the fall and immediately before the two rooms that spanned it, a faintly discernible fume of lilac-tinted mist, and this seemed to spread until it suffused the entire house-front with a wash of water color. Tiny rainbows, each of them too faint to be separately discerned, must have made that fairy hue in the spray of the fall—a hue exactly such as Turner sometimes used to suggest the effect of spray rising against cut stone. Very ethereal and unemphatic, it seemed to draw the thinnest imaginable veil between the house and all the outer world, providing just that touch of distance, and strangeness into which beauty loves to withdraw.

In such a place as this, bathed in faint tints of lilac and lavender and lulled by falling water, hardly any house could fail to be beautiful. Great elms bent toward it from across the stream and brushed its roof with pendulous branches, and on either side it was surrounded by lawns and gardens; but best of all to those living there would be the constant presence, the light, the glimmer, the motion, and the song of the little stream itself. To sit in the great bay-window, within four feet of the waterfall, and watch the afternoon sunshine making a liquid glory of its bubbles, to watch for the first reflection of the evening star among the wavering images of tangled boughs, to read Shelley there by twilight—how dear such a place would have been to that lover of streams—to play Chopin there by moonlight, to fall asleep amid such an endless lullaby, all this would be a happiness beyond the reach of words. And then there would be the delight of watching the stream minutely in its every mood and whim, at every hour of the day and night, in every season. They would know when the surface rose or fell for half an inch, and also they would know why. The vole and the strutting water-hen would keep no secrets from them, and the trout would learn to come like chickens to their window sill for a morning crust of bread. They would con the brief bright history of the water bubble a million times over, seeing each bubble in the first place exactly for what it is and then loading it to capacity with human metaphors and significances. To move about, to eat and sleep, to talk and think and dream so near to racing and singing water would slowly dignify all their days. The song and dance of little waves would invade their very hearts, would set their fancies all a-gleam. Such things as they could write in that sonorous upper room, sending the music of the stream far out into the world and making these dancing waves ripple calm and cool against ten thousand hearts! Such thoughts as would visit them there, long thoughts and quiet; such hopes and fancies, such noble dreams.

But there is a pitch and degree of beauty which outsoars all thoughts of personal possession. Merely to have seen Waterfall House, to remember and return to it in thought, is a happiness one is glad not to have missed.

L'Application de la Loi spirituelle

Traduction de l'article anglais de Science Chrétienne paraissant sur cette page

PARMI les récits, nommés miracles, celui qui est rapporté dans l'Ancien Testament, au sixième chapitre du Second Livre des Rois, se détache nettement dans la mémoire d'un certain étudiant de la Bible. C'est le plus frappant qu'il entendit dans son enfance, et qui, depuis ce temps-là, est toujours resté pour lui comme une preuve pleine d'inspiration du pouvoir de Dieu, manifesté par Son serviteur Élisée qui savait obéir à Dieu.

L'histoire est racontée brièvement et simplement en sept versets. L'endroit où "les fils des prophètes" habitaient avec le prophète Élisée leur semblait insuffisant et ils décidèrent de se bâtir une nouvelle habitation. Dans cette intention ils se rendirent à la region qui longe le Jourdain pour couper quelques troncs d'arbes, et ils persuadèrent à Élisée de les y accompagner. "Mais comme l'un d'eux abattait sa poutre," dit le récit, "le fer de sa hache tomba dans l'eau. Il s'écria: Hélas, mon seigneur! Je l'avais emprunté!" Élisée s'informa de l'endroit où il était tombé. Par sa confiance en Dieu, il prouva que la loi de Dieu ne cause ni ne reconnait de désordre. Le fer de la hache surnagea, et celui qui s'en était servi auparavant avança la main et le prit.

Bien que des hommes doués de discernement spirituel aient accompli des œuvres semblables dans les temps de l'Ancien et du Nouveau Testaments,—ce dernier rapportant les œuvres de Christ-Jésus et de ceux qu'il enseigna,—cependant, durant des siècles, de tels effets n'ont été considérés comme possibles que dans des cas isolés. Que de fois n'avons-nous pas entendu déclarer, tantôt en manière de plaisanterie, tantôt avec regret: "Le temps des miracles est passé!" Or, si une chose est impossible, elle ne peut jamais être accomplie; et le fait qu'une certaine chose a été accomplie devrait montrer clairement à tous les penseurs qu'il y a une loi pour la soutenir et que, par conséquent, elle peut être faite de nouveau.

Pourtant, la chrétienté n'a pas su percevoir cette vérité jusqu'au jour où Mary Baker Eddy, la Découvreuse et Fondatrice de la Science Chrétienne, parvint par son étude fidèle des Écritures à la conclusion que "l'impossible n'arrive jamais," ainsi qu'elle le dit à la page 245 du livre de texte de la Science Chrétienne: *Science et Santé avec la Clef des Écritures* (*Science and Health with Key to the Scriptures*). Elle démontre clairement dans tous ses écrits que ce qui est appelé loi matérielle n'est pas une loi du tout, mais simplement un assemblage de croyances humaines que les mortels ont acceptées sans réflexion, et par lesquelles ils se laissent gouverner. Mrs. Eddy ajoute encore cette explication (*id.*, p. 126): "La croyance humaine a cherché et interprété à sa façon l'écho de l'Esprit, et parait ainsi l'avoir renversé et répété matériellement."

Afin donc de nous affranchir des ordonnances de ce qui est reconnu comme une loi matérielle avec ses nombreux châtiments, nous devons renverser notre croyance en cette loi et nous réfugier dans la compréhension de la loi spirituelle dont toutes les opérations bénissent l'humanité. La loi spirituelle est la loi de Dieu, le bien; et le gouvernement qu'Il exerce sur toute Sa création d'idées parfaites agit comme une bénédiction. Ainsi on verra clairement que Christ-Jésus a fait ses œuvres puissantes et a enseigné avec autorité et avec force, parce qu'il comprenait les faits véritables de l'existence, qu'il connaissait la fausseté des opinions et des croyances humaines et qu'il discernait clairement les effets réformateurs et guérisseurs de la loi spirituelle.

Sachant que dans l'infinitude de Dieu, Esprit, le bien ne peut cesser de se manifester, Christ-Jésus appliquait sa compréhension à des cas où le manque était apparent, et il prouvait le fait spirituel de l'abondance. A ce qui semblait être la maladie, il appliquait sa connaissance de l'homme parfait qui, reflétant le parfait créateur, Dieu, doit toujours manifester la santé et l'harmonie; et la guérison s'ensuivait. En plusieurs occasions, alors que la mort semblait s'être produite, le maître Chrétien appliqua sa compréhension de la loi spirituelle, soutenant que la vie ne peut jamais finir, puisque la Vie est Dieu; et, voici, ceux qui avaient paru morts se relevaient. Il démontrait ainsi que l'activité réelle ne peut jamais cesser dans le royaume de Dieu; la vérité par laquelle Jésus disait qu'ils seraient affranchis les affranchissait vraiment des résultats de la fausse croyance.

L'application de la loi spirituelle par Christ-Jésus et les résultats infaillibles et certains qu'elle produisait prouvaient clairement que la Science, la loi de Dieu, est invariable. Et quand nous comprenons cette Science, la Science du Christ, nous pouvons tous démontrer dans notre vie la vérité qui affranchit des conditions apparemment mauvaises. A ce sujet, nous lisons à la page 43 de *Science et Santé:* "La Science que Jésus enseigna et vécut doit triompher de toutes les croyances matérielles concernant la vie, la substance et l'intelligence, et des erreurs multiples qui découlent de ces croyances."

Poinsettia

Royal poinsettia gay
With leaves of scarlet velvet.
Brightening my gold-brown flower beds
With a joyous color.
A luminous many-pointed star
On a slender stem.
A queen among the drooping
Yellow chrysanthemums.
A glowing ember
In the frost-burnt
Crackling foliage
Of a winter's garden.

JESSIE LINKLETTER.

Applying Spiritual Law

WRITTEN FOR THE CHRISTIAN SCIENCE MONITOR

ONE of the so-called miracles of the Old Testament, related in the sixth chapter of II Kings, stands out in the memory of one Bible student as among the most impressive stories heard in childhood days. And it has ever since that time remained an uplifting proof of the power of God made manifest through His servant Elisha, who understood how to obey God.

The account is briefly and simply given in seven verses. The place where "the sons of the prophets" dwelt with the prophet Elisha seemed to them inadequate, and they decided to make an extra dwelling for themselves. To this end they went to the region along the river Jordan to cut some beams, and Elisha was persuaded to go with them. "But as one was felling a beam," we read, "the axe head fell into the water: and he cried, and said, Alas, master! for it was borrowed." Elisha inquired where it had fallen. Through his trust in God he proved that God's law neither makes nor recognizes discord. The axe-head came to the surface of the water, and the one who had used it before put out his hand and picked it up.

Although similar works were performed by those with spiritual insight in the Old as well as in New Testament times,—the latter having the works of Christ Jesus and of those whom he taught,—yet for centuries such performances have been considered possible only in isolated instances. How many times have we heard the statement made, sometimes jocosely, and sometimes regretfully, "The age of miracles is past!" Now, if anything is impossible of accomplishment, it can never be done; and the fact that a certain thing has been done should make clear to all thinkers that it must have a law supporting it, and that therefore it can be done again.

Christendom failed to perceive this truth, however, until Mary Baker Eddy, the Discoverer and Founder of Christian Science, through consecrated study of the Scriptures came to the conclusion that "impossibilities never occur," as she says on page 245 of the Christian Science textbook, "Science and Health with Key to the Scriptures." She clearly sets forth in all her writings that what is termed material law is not law at all, but is merely a collection of human beliefs, which mortals have accepted unthinkingly, and by which they permit themselves to be governed. In further elucidation thereof Mrs. Eddy says (*ibid.*, p. 126), "Human belief has sought and interpreted in its own way the echo of Spirit, and so seems to have reversed it and repeated it materially."

In order to free ourselves, then, from the enactments of what is known as material law, with its numerous penalties, we have to reverse our belief in it and take refuge in the understanding of spiritual law, which blesses mankind in all its operations. Spiritual law is the law of God, good; and His government is experienced as a benediction by His entire creation of perfect ideas. It will thus be clearly seen that Christ Jesus did his mighty works, and taught with authority and power, because he understood the true facts of existence, knew the fallacy of human opinions and beliefs, and clearly understood the correcting and remedial effects of spiritual law.

Christ Jesus applied this understanding in cases of apparent lack, and proved the spiritual fact of plenty, knowing that in the infinitude of God, Spirit, there is no cessation of the manifestation of good. To seeming illness he applied his knowledge that perfect man, as the reflection of the perfect creator, God, must ever manifest health and harmony; and healing resulted. In several instances, when death seemed to have occurred, the master Christian applied his understanding of spiritual law, insisting that life can never end, since Life is God; and, behold, those who had appeared to be dead arose. Thus he demonstrated that real activity can never cease in the realm of God. The truth, which Jesus said would make them free, truly freed them from the results of false belief.

Christ Jesus' application of spiritual law, and the unerring and certain results it produced, plainly evidenced that Science, or the law of God, is unalterable. And with an understanding of this, the Christ Science, we may all demonstrate in our lives the truth which frees from seemingly wrong conditions. On this point we read on page 43 of Science and Health, "The Science Jesus taught and lived must triumph over all material beliefs about life, substance, and intelligence, and the multitudinous errors growing from such beliefs."

[In another column will be found a translation of this article into French]

Two Bear Families

From the sheltered bower of balsams where I had built my wigwam, I could look up a rolling, meadowy breast of the ridge, so perfect in its adornment of vine and bush and small clumps of young trees that, to one not entirely acquainted with the exquisite art of nature, it would almost seem as though a human landscape-architect had "laid out" the little paradise which was my hillside back yard. On this particular morning, coming up quietly, my eyes were greeted by an amazingly pretty spectacle. The green hillside, soft and velvety in the sunlight and shadow of the morning, was in full possession of two families of black bears.

So close were the nearest of them to me that I dropped like a shot behind a big rock, and the breath of air that was stirring being in my favour, I was at a splendid vantage-point to take in the whole scene. Within forty yards of me were a mother and three cubs, and a little higher up—perhaps twice that distance—were a mother and two cubs. At almost the very crest of the ridge were two more bears, which I at first thought were adults. A closer inspection assured me they were last year's cubs, and possibly not more than a third grown. . . .

For almost two hours, the bears fed on the hillside. Several times the two families drew so near together that the cubs intermingled and the mothers almost rubbed sides. . . .

It was all so fine that I had an impelling desire to go up on the hillside and become a comrade with them. When the feeding was over, and the cubs were wrestling and running about in play, I almost rose up from behind my rock to call out my friendship to them. The lack of one thing held me back—that one thing which all nature is crying out for—a language. I feel they would have welcomed me could I have told them I was a friend, and wanted to play with them, and make them a present of some sugar. But instead of that this is what happened:

In their play, two of the cubs had descended within twenty feet of my rock. One of these was the gourmand. Somehow, he lost his balance, rolled over, and came tumbling down. When he stopped he was not more than half a dozen feet from me. As he brought his fat little body to its feet he saw me. His eyes fairly popped. It seemed to me that for a full minute he did not move or breathe. And during that same minute I remained as still as a rock. In his amazement and his wonder, he was the funniest thing I had ever seen, and in spite of myself, my face broke into a grin. Instantly there came out of him a little, piggish grunt—and he was off. Up that hillside he went as if the world was after him. He did not stop when he reached his mother and the other cubs, but seemed to hit it still faster for the top of the ridge. The mother looked after him, sniffed the air, and rose to her feet. In half a minute, she was lumbering after him, the two remaining cubs hustling ahead of her.

A hundred yards away, the second mother bear took the warning. In a very short time, they had all disappeared over the cap of the ridge.—JAMES OLIVER CURWOOD, in "God's Country: The Trail to Happiness."

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With Key to the Scriptures

By
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STOCK PRICES SLIP BACK ON TIGHT MONEY

General Selling Precipitated by Advance in Call Loan Rates

NEW YORK, Jan. 15 (AP)—Marking up of the call money rate from 7 to 8 per cent checked a promising rally in today's stock market in which about a score of issues were elevated to new high levels.

Many of the early gains ran from 3 to 8 points, but these were cut down in the wave of selling which swept over the market in the early afternoon, and several of the industrial favorites sagged 1 to 3 points below yesterday's final quotations.

With high-grade securities yielding less than 5 per cent in many cases, operators for the advance found it difficult to attract margin speculators who were willing to pay carrying charges of 3 per cent or more above the income return, in the hope of making it up through capital appreciation.

With Federal Reserve authorities bending every effort to reduce the volume of speculative credit available, without endangering purely commercial needs, several of the conservative commission houses continued to urge a cautionary policy.

There was practically nothing in the day's news to influence the price movement. Such trade reports as came to hand were favorable and showed no change in the general situation.

There was a fairly brisk demand for the communications shares, with indications of investment trust buying. American Telephone, International Telephone, Pacific Telephone and Western Union sold 3 to 5½ points above yesterday's final quotations. Some of the other public utilities also received good support. Commonwealth Power running up to a new high record.

Among the many issues to sell at their best prices since 1927 or longer were Air Reduction, White Motors and Chile Copper.

Wright Aeronautical extended its loss to 8 points, wiping out half of yesterday's sharp gain, and Packard and American Can each sold down 2 points or more.

The props were knocked from under several of the high-priced issues late in the session when general selling was precipitated by a jump in the call loan rate to 9 per cent. Wright Aero fell nearly 15 points, while Allied Chemical and Curtiss tumbled about 8. United States Steel, Packard Motor, Montgomery Ward, National Bellas Hess and Commercial Solvents slumped from 3 to 4 points. The closing was heavy. Total sales approximated 3,800,000 shares.

Foreign exchanges opened steady, with sterling cables unchanged at $4.85 1-32.

Irregular price trends marked light early trading in the bond market today, apparently reflecting uneasiness over the credit situation.

Convertibles displayed a stronger tone in sympathy with the steadiness on the stock market. Most of the speculative issues were quiet.

International Telephone & Telegraph convertible 4½s again were active, advancing fractionally. New England Telephone 4½s were higher, but American Telephone sinking fund 5s yielded to selling pressure.

Rails were irregular, with price changes fractional. New Haven debenture 6s, Erie refunding and improvement 5s and Seaboard Air Line convertible 6s were among the issues to show strength. St. Paul adjustment 5s were lower.

Industrials were quiet, with U. S. Rubber 5s and International Cement 5s making slight gains on light trading.

Buying of French issues at advancing prices featured the foreign list. Pirelli of Italy 7s sold off [illegible] points.

RECORD INCORPORATED INVESTORS EARNINGS

Statement of Incorporated Investors as of Jan. 3 shows assets at cost of $18,965,277, a growth of $14,132,841 during 1928. President Putnam states in letter to stockholders that the market value of assets exceeded cost by more than $6,000,000, making a total market value of all assets approximately $25,000,000.

The financial statement was sent to stockholders with the cash dividend of 40 cents a share. Stock dividend of 2 per cent was also paid on Jan. 15 to stock of record Dec. 31. Nineteen twenty-eight was the most prosperous year in history of Incorporated Investors. Yield and appreciation was 8.7 per cent during 1926; 29.6 per cent during 1927; and 41.9 per cent during 1928. These figures are based on amounts invested at the first day of each year.

NEW YORK COTTON

(Reported by H. Hentz & Co., New York and Boston)

	Open	High	Low	Last Sale
Jan.	20.27	20.34	20.14	20.15
Mar.	20.33	20.41	20.18	20.21
May	20.37	20.44	20.21	20.23
July	19.98	20.07	19.82	19.85
Oct. (old)	19.72	19.77	19.43	19.47
Oct. (new)	19.47	19.55	19.32	19.35
Dec.	19.54	19.63	19.41	19.41

New Orleans Cotton

	Open	High	Low	Last	Prev. Close
Jan.	19.68	19.70	19.54	19.54	19.69
Mar.	19.75	19.78	19.52	19.57	19.70
May	19.78	19.82	19.58	19.62	19.77

Chicago Cotton

	Open	High	Low	Last	Prev. Close
Jan	19.76	19.76	19.60	19.60	19.73
March	19.87	19.87	19.62	19.68	19.82
May	19.88	19.92	19.66	19.72	19.87
July	19.76	19.78	19.63	19.63	19.75

Liverpool Cotton

	Open	High	Low	Last	Prev. Close
Jan.	10.47	10.47	10.42	10.44	10.40
Mar.	10.51	10.51	10.45	10.47	10.44
May	10.55	10.56	10.49	10.52	10.49
July	10.52	10.52	10.46	10.48	10.45
Oct.	10.32	10.32	10.27	10.29	10.26
Dec.				10.25	10.22

Spots 10.74, up 5 points. Tone at close quiet but steady. Sales (British), 6000; (American), 4200.

MORE MERGERS FOR 1929

NEW YORK, Jan. 15—Mergers and consolidations characterized American business throughout 1928 and may be expected to continue to do so during 1929. This is the opinion of 149 editors of business papers in the fields of production, merchandising and the service functions as reported for the third semi-annual survey of business conditions undertaken jointly by the Associated Business Papers and the National Conference of Business Paper Editors.

DECEMBER BOND MARKET

NEW YORK, Jan. 15—Activity in bonds on the Stock Exchange during 1928 fell under $3,000,000,000 for the second time in 10 years, the last previous occasion having been in 1923. Sales of United States Government issues, foreign government loans, foreign and domestic corporation bonds totaled $2,962,786,000, compared with $3,671,360,000 in 1927, $3,120,745,000 during 1926, $3,426,334,000 during 1925, and high of $4,116,498,000 during 1922.

NEW YORK STOCK MARKET

(Quotations to 3 p.m. (Not Closing)

‡Sales		High	Low	Last Jan.15	Last Jan.14
2000	Abitibi	48½	45⅛	45⅛	46
100	Abitibi pf	84½	83¾	84½	85
100	Adams pf	95	95	95	..
3500	Adv-Ru	53¼	50¼	50¼	50½
500	Adv-Ru pf	61⅝	60	61⅝	60
1500	Adams M	35⅞	34⅞	34⅞	35
400	Ahumada	3⅞	3⅝	3⅝	3¾
4100	Air Reduc	109⅝	104⅝	106	103¼
14800	Ajax Rub	11	10¼	10½	10¾
2900	Alaska Jun	9	8½	8⅝	8¾
100	Alb P W P	23⅞	23⅞	23⅞	23½
4400	Allied Ch	274¼	268	268	275
900	Allied Ch pf	122	122	122	122
200	Allis-Chal	188	188	188	..
100	Amal Lea	10½	10½	10½	10½
1900	*Aemrada	38¾	37⅝	37⅝	39
2500	Am Ag Ch	23⅝	22¼	22¼	23
1600	Am Ag C pf	73¼	71⅝	72¼	72⅝
400	Am Beet S	18½	17	18	17
100	Am Beet pf	52½	52½	52½	52½
3300	Am Bosch	44¼	44	44	43
1100	Am Brake	47¼	46⅞	46⅞	47
400	Am Br Bov	16	15¼	15¼	15⅞
40	Am Br B pf	54	52½	54	53
6800	Am Can	115¾	112¾	112⅞	115¾
700	Am Car & F	101	100	100	101
100	Am Car pf	119	119	119	..
1700	Am Chicle	51⅜	50	50	50¾
10	Am Chic ppf	109½	109½	109½	109½
1500	Am Chic rts	1⅞	1⅝	1⅝	1⅝
400	Am En Til	84	83⅝	83⅝	..
100	Am Ex	291	291	291	292
5000	Am&FPw	80¾	77½	77½	79
1000	Am&FP 7%	108	107½	107½	..
200	Am&FP 2 pf	97⅝	97⅝	97⅝	..
200	Am Hide pf	37⅝	36¾	36¾	37¼
100	Am Hide	9¼	9¼	9¼	9¼
400	Am Ice	38½	38½	38½	39
8500	Am Int Crp	147	143	143⅝	143
100	Am La Fr	8	8	8	..
100	Am P&Lt 5%	75	75	75	74½
800	Am Loco	111	110½	110½	110¾
1100	Am Loco pf	117	116½	116¾	116½
5200	Am Metals	7½	69¾	69⅞	72¾
100	Am Met 6%	124	124	124	124½
700	Am P&Lt rts	81½	80¾	80¾	81¾
400	Am Piano	16	14¼	15	13¼
380	Am Piano pf	44½	40	44½	40
2900	Am Pw&Lt	85¼	83¼	83¼	84½
100	Am P&L 6%	100	100	100	99¾
8600	Am Radiat	210	203¼	203¼	203
10	Am Rad pf	150	150	150	..
500	Am Ry Ex	131	130	131	..
600	Am Repub	60¾	60	60¾	60
100	Am S Razor	70½	70½	70½	71⅛
200	Am Seating	34	34	34	..
200	Am Ship	3⅞	3¾	3⅞	4
1600	Am Smelt	97½	94⅝	94⅝	97
7100	Am Stl Fnd	73½	71	71	73¼
1100	Am Sugar	92⅛	89⅞	89⅞	91¾
100	Am Sug pf	107⅞	107⅞	107⅞	108
43900	Am T&T	202	197	199	196½
1300	Am Type	152	149	149	151
2600	Am WWrks	74½	72½	72½	73⅜
1200	Am WW 6%	100	199½	120	99½
500	Am Wool	27⅜	26½	26⅞	27½
100	Am Wool pf	57	56⅝	56⅝	57½
11100	Anchor Cap	56	55½	55¾	55⅞
34000	Anaconda	119½	115½	116½	118⅞
700	Arch Dan	105¾	102	102	105⅜
4600	Andes Cop	50⅝	48⅝	48⅝	49⅞
2800	Arm Ill A	17½	17⅜	17⅜	17½
1800	Arm Ill B	8⅞	8⅞	8⅞	9
400	Arm Ill pf	85	85	85	85
100	Arnold Cons	38¾	38	38	38⅛
100	Art Loom	28⅞	28⅞	28⅞	..
900	Asso DG	67	65	65½	66¼
2100	Atchison	199¾	198¾	198¾	199
200	Atchison pf	103½	103½	103½	103½
6300	Atch rts	1¾	1⅝	1¾	1¾
400	Atl G&WI	41⅝	40⅛	41⅝	40¼
9900	Atl Refin	62⅞	61½	61½	62⅝
70	Atl Refin pf	117⅝	117⅝	117⅝	117½
400	Atlas Powd	105	105	105	105
10	Atlas Pw pf	106½	106½	1066	106
1300	Austin N	9⅛	8⅝	9⅛	8⅝
200	Austin N pf	41	41	41	42⅞
400	Auto Sales	27	26¼	26¼	25½
200	Auto Sale pf	38	38	38	38
10	Baldwin pf	119	119	119	119
3100	Balt & Ohio	121½	119½	119⅝	120⅝
200	Balt & O pf	79½	79½	79½	79
10	Bamber pf	109½	109½	109½	109½
100	Bangor & A	69	69	69	..
20	Bank of Com	847	847	847	840
400	Barker Bros	29	28½	28½	28½
1300	Barnet	29¼	28	28	28⅜
7300	Barnsdall A	44½	43⅛	43⅛	43⅞
1800	Beacon Oil	24⅛	22¾	23	23
300	Beechnut	98¼	95½	95½	98
2700	Belding H	14⅜	13⅜	13⅜	13¼
200	Bel NR ppf	84¼	84	84	84¼
300	Best & Co	88⅛	88	88	87⅛
5800	Beth Steel	86¼	83¼	83¼	85½
500	Beth Stl pf	123	123	123	123
400	Bloom'dale	43	42¾	42¾	43½
100	Booth Fish	..	..	..	9⅝
11700	Borden	189⅝	184	186½	182⅞
100	Boston & Me	105	106	106	105
100	Botany M	13	13	13	12⅞
33000	Briggs	59¼	57	57¼	58½
100	Brti Steel	4⅝	4⅝	4⅝	4⅝
100	*Brockway	69¼	69¼	69¼	69
3400	Br Man Tr	75½	75	75	75
1700	Bruns Balke	51½	50	51¼	51⅞
20	Bucyrus pf	113½	113½	113½	114
400	Bruns Term	38½	37⅞	37⅞	38½
400	Bucyrus	40	39	39	39¾
600	Bucy cv pf	48	47⅛	47⅛	47⅝
10	Buff&Sus pf	56	56	56	56
200	Burns Br A	126	125	125	126
600	Burns Br B	38¼	36	36	38⅛
200	Burroughs	240	239	239	238
4600	Bush Term	79¼	77½	77½	76
10	Bush T deb	107¾	107¼	107¼	..
10	Bush Blg pf	114	114	114	114½
6400	Butte Cop	9⅛	8⅝	8⅝	8½
400	Butte & Sup	10¾	10⅝	10¾	10½
200	Butterick	39¼	39	39¼	38¼
900	By Prod Co	115	112½	112½	114
200	Byers	164	162¾	162¾	164
2000	Byers rts	17	15⅛	15⅛	16½
200	Cal Pack	75¾	75½	75½	75½
200	Callahan	3	3	3	3
1500	Cal & Ariz	125⅝	121⅜	122¼	125
20400	Cal & Hecla	48½	46½	46½	47¼
1400	Cannon Mills	48	47¼	47½	47½
1400	Canada Dry	80⅞	79¾	79¾	80½
1900	Can Pac	241¾	238	239¾	242
100	C C & O sta	100	100	100	100
100	Case T	484	484	484	..
200	Cen Aguirre	38¼	38	38¼	38
19100	Cen Alloy	49½	47½	47½	48
100	Cen Rib	19½	19½	19½	20⅛
3400	Cerro de P	104⅝	102¾	102⅜	104½
300	Cert-Teed	26	25½	25½	26
100	Cert-T pf	81	81	81	..
200	Certo Corp	83	83	83	82½
400	Chand-C	22½	22½	22½	23
400	Chand-C pf	39⅛	39⅛	39⅛	39½
2100	Ches Corp	83⅝	81¼	81¼	83¼
3600	Ches & Ohio	217	214¾	214¾	215¼
2400	Chi & Alton	13⅜	12¼	12⅝	12⅛
2600	C & A pf	19½	18½	19¼	18¼
2800	Chi Gt W	19¾	19⅛	19⅛	19⅝
1800	Chi G W pf	48¼	46⅝	47	47⅛
1100	C M & St P	36	35⅛	35⅝	36¼
3700	CM&SP pf	60	58¼	58¼	59¾
2000	Chi&NW	88¾	88	88	88½
300	Chi Pn nw	34½	33½	34¼	34½
200	Chi Pneu pf	55⅜	55½	55½	55½
600	Chi RI	132½	131	131	131⅜
400	Chi RI 6%	101⅛	101	101	..
50	Chi Yel Cab	33	33	33	..
200	Childs	57⅞	57⅜	57⅜	58
55800	Chile Cop	77½	74⅞	76¼	75½
50500	Chrysler	124¼	120¾	120¾	122
200	†City Stor B	104	103½	104	107½
400	Cluett Pbdy	71	70¾	71	71½
500	Coca Cola	171¾	171	171	171⅞
800	Collins & A	55½	53	53	55
1300	Colo F&I	71	69⅛	69⅛	70
20	Colo So 1pf	78	78	78	76
2900	ColGas n wi	59⅜	58⅝	58⅝	58⅞
5000	Col Gas	144⅞	142⅞	143	142½
200	Col Gas pf	107⅞	107⅞	107⅞	107
5000	Col Carbon	131⅜	128	128	130
21500	Col Graph	83⅞	80½	80½	83½
4300	Com Cred	57⅜	56	56	57½
20	Com Cr 1pf	103	103	103	103½
200	Com Cred pf	26	26	26	26
5000	ComInvTr	152⅜	144¼	149¾	150
10	ComInv7%	106¾	106¾	106¾	107
2000	ComInv war	42½	36	39	35⅞
600	Com Sol	232	228	228	232⅝
4600	ComwlthPw	120⅝	116¾	120	118⅝
100	Conde Nast	83	83	83	83
9400	Congoleum	30¾	29	29	29½
300	Con Film pf	27⅛	26½	26¾	27
15400	Con Gas	109¼	106½	106¼	107¾
800	Con Gas pf	99⅜	99⅛	99⅜	99
100	Con Ry C pf	68	68	68	68¼
30000	Con Textile	6⅜	5½	6	5½
400	Container A	22¼	21⅞	21⅞	22
2100	Container B	11½	11	11	11½
6500	Cont Bak A	60	57	57	56⅞
50000	Cont Bak B	13	11½	12	11⅜
2000	Cont Bak pf	95¼	94	94	93½
2600	Cont Can	62¼	60¾	61	62
1000	Cont Ins	93½	92¾	92¾	93
40100	*Cont Motrs	24⅜	22⅝	23¾	24¾
3100	Corn Prd	88⅜	86¼	86¼	88¼
200	Corn Prd pf	144	144	144	144
43700	Coty	76⅝	73	73⅛	73¼
50	Crown 1 pf	100½	100½	100½	100⅝
1600	*Crucible	92½	89¼	89¼	92¼
100	Crex Carpet	27½	27½	27½	27
300	Cuba Cane	5¼	5	5	5⅛
300	Cuba C pf	18¼	18	18¼	17⅝
200	Cuba Co	24	22	24	22
10	*Cuba Ry pf	79⅝	79⅝	79⅝	..
500	Cub Am S	16⅞	16⅛	16½	16⅛
1500	Cudahy	67⅞	66⅛	66⅛	67⅝
300	Cudahy rts	1⅜	1⅝	1⅝	1⅞
11600	Curtiss	165	157½	159½	163⅞
100	Cushman's	225¼	225¼	225¼	..
10	Cushman 7%	120½	120½	120½	..
1400	Cuyamel Fr	71½	69¼	69¼	71
6000	Davison	64⅝	61¾	61¾	63
500	Debenham	44	44	44	44⅝
100	Deere pf	125¼	125¼	125¼	126¼
300	Del & Hud	194½	194	194	193¾
200	Del Lac&W	128	128	128	127¾
300	Det Edison	227	226	227	225
700	Devoe&R A	57	56	56	56
60	Diamond M	163½	163½	163½	160
400	Dome Mines	9¾	9⅝	9⅝	9¾
100	Du So Sh pf	5½	5½	5½	..
200	Dupone	502	500	500	500
10	Durham pf	37	37	37	..
400	East Kodak	182⅝	181½	181½	182½
30	East Kod pf	126½	126¼	126¼	..
13200	*Eaton Axle	67⅞	65½	65½	67⅝
6600	Eitingon	38	37	37	38
15600	Elect Auto L	141¼	136½	137¼	137½
20200	Elec Boat	15½	14	14⅝	14
10500	Elev P&L	48⅛	46	46	48½
300	Elec P&L pf	107	106⅞	107	..
900	Elec Sto Bat	86½	84⅝	84⅝	86½
500	End John	79⅝	79	79⅜	79
8400	Eng P S	54½	52⅝	53	54⅛
300	Eng P Spf	92½	92	92	92
700	Equit Bldg	31½	31¼	31½	31½
2000	Erie	69½	67¼	67¼	68⅝
600	Erie 1 pf	62⅝	62	62	62⅝
100	*Ex Buffet	22¼	22¼	22¼	..
200	Fairb Morse	45⅝	45¼	45¼	45⅝
1700	Fed Lt & Tr	77	74	74	76½
100	Fed M&S	250	250	250	250
200	Fed Motor T	19¼	19	19	19½
600	Fidelity Ins	105¾	104⅞	104⅞	105¼
10	Fifth Ave B	12½	12½	12½	..
400	Filenes	97⅝	95¾	95¾	97¾
1400	First Nat St	68½	67½	67½	68
15300	Fisk Rubber	18⅜	17⅝	17⅝	18¼
7300	Fisk Rb 1pf	70	67	67½	67
700	Fisk 1pf cv	78⅛	75	75	75⅛
2900	Fleischmann	80¼	78½	78⅜	79⅞
2700	Fox A	96½	94⅝	94½	96
200	Follansbee	64	63½	63½	63¼
10	Frank-Sm pf	110	110	110	110
3100	*Freeport Tx	51¾	50½	50½	52⅝
1100	Gabriel A	27⅜	26½	26½	26½
6000	Gardner M	16⅞	15⅜	15⅜	15⅝
700	GenAmTk	97½	95	95	97⅝
800	Gen Asphalt	79	75½	76	78⅝
200	Gen Asph pf	119	118	118	120
10	Gen Bak pf	134	134	134	..
2900	Gen Cable	43⅝	42	42	43
3200	Gen Cable A	92	89½	90	90½
8800	Gen Elec	239	231¾	231¾	233½
600	Gen Elec Sp	11½	11¼	11¼	11⅜
500	Gen G&E A	75	74½	74½	74¾
2400	*Gen Mills	84⅞	83	84	84
2600	Gen Motors	200¼	195¼	195¼	199
700	Gen Mot 7%	125	124⅞	124⅞	124¾
8600	Gen Mot n	80¼	78	78	79¾
100	Gen O Ad A	51¼	51¼	51¼	50⅝
300	Gen O Ad ct	32½	32½	32½	33
300	Gen Milk pf	98	98	98	..
200	Gen Ry Sig	99	98½	98½	100¼
600	Gen Refrac	78	76¼	76¼	77⅞
1700	Gillette	119½	118¼	118⅞	119⅜
600	Gimbel Br	46	45	45	45¼
200	*Gimbel pf	89½	89⅜	89½	90
16600	Glidden	42½	40¼	41¼	40½
30	Glidden ppf	105	105	105	104½
2800	Gobel	56⅜	54½	54⅜	55⅜
24200	Gold Dust	79½	76⅝	77½	79
40	Gold & Stk	120	120	120	..
6900	Goodrich	102½	99½	99¾	101⅜
500	Goodrich pf	114⅝	114	114	114
7800	Goodyear	136	130¼	131	135¼
400	Goodyr 1 pf	103½	103⅜	103⅜	103½
1200	Gotham Hos	75⅜	75	75½	75½
100	Gotham pf	100	100	100	..
200	Gould Cp A	9⅛	9⅛	9⅛	9½
4100	Graham-P	50¼	49	49⅛	49⅝
100	Graham-P ct	47	47	47	46½
1800	Granby	86⅝	85½	85½	86
200	Grand Stores	82	82	82	82
600	Grand Union	29ffi	28⅝	29⅛	29⅛
700	Grand Un pf	52⅝	52	52	52⅜
300	Grt Nor pf	110	109	109	109¼
200	Grt No pf ct	107	106	106¼	107
5400	Grt Nor Ore	29½	28⅜	29¼	28⅜
30200	Grt W Sug	40⅜	39	39	39⅜
100	Grt WSu pf	118½	118	118½	117
17300	Greene-Can	174½	168½	168⅝	169⅛
100	Guan Sug	5½	5¼	5¼	..
100	Gulf Mo pf	102	102	102	..
300	Gulf Steel	70⅝	70	70	70
20	Hack Wt	26½	26½	26½	26½
50	Hack Wt pf	31	31	31	..
170	Hanna 1 pf	92⅝	92	92⅝	91
10	Harbison pf	112	112	112	112
100	Hartman A	26	26	26	..
2700	Hartman B	32⅞	31½	31⅜	32
200	Hershey Ch	66⅝	66½	66½	66½
400	Hershey pf	83	82	83	82¼
400	Hoe & Co	18⅞	18¼	18¼	18⅛
200	Homestake	75½	75½	75½	..
400	Houston Oil	93¾	93	93	95⅞
300	Howe So	68⅜	68	68	68
400	Hud Man	54⅜	54⅜	54⅜	54⅜
9400	Hahn Dept	53½	51⅝	52	52½
3100	Hudson Mot	87	85	85¼	86⅝
2800	Holland F	49⅜	48¼	48¼	48½
4300	Hupp Mot	80¼	78	78⅛	80⅝
500	Hahn Dept	113½	112	112	112
300	Ill Central	142½	141	141	141½
2700	*Ind Oil & G	32¼	31½	31⅝	32½
200	Indian Mot	28½	27¾	27¾	28⅞
1400	Indian Refin	33	32⅛	32⅛	33
1800	Indian Re ct	30⅝	30	30	30⅝
100	Ingersoll R	130	130	130	130
2600	Inland St	85⅝	83	83¼	85⅝
1100	Inspiration	45	43⅝	43⅝	44⅞
1900	Interboro R	53⅞	52⅞	52⅞	53¾
1000	Intercon Rub	13¾	126	12⅞	12½
3900	Int Agri	17	16½	16⅝	16¼
200	Int D S pf	130	130	130	..
200	Int D St	83	82⅝	82⅝	81
300	Int Cement	91¾	90¼	90¼	91⅞
17900	Int Comp	80⅞	76¼	77¾	77½
29600	Int Pap rtsn	½	⅜	⅜	⅜
1600	Int Hary	94⅞	93	94	93
100	Int Harv pf	143½	143½	143½	143½
1000	Int P&P A	29⅜	29⅜	29½	29⅝
3300	Int Mtch pf	98⅞	96½	96½	99
300	Int M Mar	6⅝	6⅝	6⅝	6¾
400	Int MMar pf	38	38	38	38⅝
500	Int P&P B	16½	16⅜	16½	16⅞
38000	Int Nickel n	55⅝	53	53	55
900	Int P&P C	11⅛	11	11	11
900	Int Pap pf n	90	89	89	90
100	Int Pap 7%	89¼	89¼	89¼	89⅝
120	Int Rys pf	79½	79½	79½	79½
160	Int Salt	61	60½	61	60
200	Int Silver	133	133	133	..
29600	Int Tel & Tel	216	209	209⅝	213⅞
2600	Intertype	30¾	29	30⅝	30⅜
19500	Int T&T rts	5⅜	4⅞	4⅞	4⅞
1200	Island Crk	54⅝	51½	54½	54½
800	Jewel rts	15	14⅝	15	15¼
300	Int Print	58⅝	58	58⅝	57½
30	Jewel Tea pf	125	125	125	..
6300	Johns Man	196⅜	189	189	191½
1200	Jordan Bot	13¾	13	13	13⅝
600	Kan City So	94	93	93	95
400	*Kayser	84	83	83	84½
300	Kaufmann	30⅜	30	30⅜	30½
800	Keith Albee	41	40¼	40¼	..
400	Keith Alb pf	130	129⅝	130	126
6200	Kelly Spring	24	22⅝	22⅝	23¾
100	Kelly Sp 8%	93	93	93	93
700	Kelsey Wh	48¾	47¾	48	48½
2500	Kelvinator	15¾	15½	15¾	16
2700	Kolster	74¼	69⅝	70	73⅝
13700	Kennecott	154¾	151	151⅝	154½
1400	Kinney	56½	55	55	57⅜
1200	Kraft Chees	37¾	36¾	37	37½
1200	Kresge	86	85¼	85¼	86
200	Ksge DS	21½	21½	21½	..
100	Ksge DS pf	72	72	72	..
3600	Kroger	115¾	114⅝	114½	116
5700	Kreuger	42	40⅝	40⅝	40⅞
10	Laclede pf	102	102	102	..
400	Lago Oil	31	30½	31	30¼
2800	Lee Rubber	24⅞	23½	23½	24⅝
800	Lehigh PC	61½	60⅞	61	61¼
1400	Lehigh Val	98⅞	98	98	98⅞
400	Lim Loco	49¼	47½	47½	..
400	Liquid Car	107⅞	105¼	105½	107⅛
29900	Loews Inc	70½	68	68½	69⅞
200	Loews pfww	104⅝	104	104⅝	104
2300	Loft Inc	8⅛	8	8	8⅛
1000	Loose-W	71¼	69¼	69¼	71⅜
2000	Lou Oil Ref	17¼	16½	16⅝	17
4500	Lou G&E A	38	37½	37⅜	38⅛
2700	Lou G rts	1⅛	1	1⅛	1⅛
300	*Louis & N	146	145½	146	..
1800	Ludlum Stl	83¼	80	80	84¼
4000	Ludlum rts	¾	½	½	¾
1200	McCrory B	105½	103⅝	103¾	104⅝
500	McIntyre	23½	23	23⅛	..
500	McKeesport	74½	73	73	74¼
300	McKees & R	49½	49⅛	49⅛	49½
2200	Mack Tr	106¼	104½	104½	105
400	McKess pf	59	58	58	58½
100	Mackay	125⅛	125⅛	125⅛	..
900	Macy	179	176	176	176¾
400	Madison Sq	21	20½	20½	21
1300	Magma Cop	67⅞	66½	66½	67½
9800	Mallinson	39⅝	37½	37½	37½
1000	Mallinson pf	101	101	101	..
200	Mandel Bros	32¼	32¼	32¼	..
1900	Man El Sup	36⅞	34⅛	34½	36
200	Man Elv mg	54	53½	53½	54½
300	Man Shirt	34¼	33⅛	33½	34
400	Maracaibo	16¼	16¼	16¼	16
3600	Marland Oil	43⅜	42½	42½	42¾
500	Marlin Rock	74⅛	74	74	75
200	Mart-Parry	17½	17½	17½	..
1000	Marmon	75¾	74	74½	76¼
600	Math Alkali	184¼	180¼	180¼	183
20	Math Alk pf	120⅝	120⅝	120⅝	..
4600	Marmon rts	6	5¼	5¼	5½
1100	Mal Dpt St	104	101	101	103½
800	Maytag	23½	23½	23½	23½
1200	*Maytag pf	44	43¼	43⅞	43⅜
300	*Maytag 1pf	89	88½	88½	89⅞
200	Met-Gld pf	25	25	25	24¾
9100	Mex Seabd	60⅜	57¾	57¾	59⅞
1900	Miami Cop	32⅝	31⅞	32¼	32½
200	Midland pf	245½	245	245	245
2500	Mid Cont	35⅝	35	35	35
700	Mid States	4⅞	4⅝	4⅝	4¾
5000	Mid C rts	1¼	1	1⅛	1⅛
800	Middle St ct	3¼	3⅛	3⅛	3⅜
1900	Miller Rub	28	25¾	25⅝	27⅝
100	Min & StL	3⅛	3⅛	3⅛	3
200	Min&SSM pf	71	71	71	..
1000	Mo K&T	52⅝	51⅛	51⅛	52¾
900	Mo KT pf	103¾	103⅜	103⅜	103½
500	Mo Pac	65⅞	64⅜	64⅜	65½
600	Mo Pac pf	124	123¾	124	124
12700	Mohawk	76½	72	74¾	72¼
6700	Mont Ward	143	137⅜	138½	141½
4000	Moon Mot	7¾	7⅛	7⅛	7⅝
600	Mother Lode	3⅝	3⅝	3⅝	3⅝
200	Motion Pic	15	15	15	14½
1800	Motometer A	23⅞	23¼	23¼	23½
400	Motor Prod	169	167	167	170
2200	Mot Wheel	44⅜	43	43½	43¾
130	Mullins pf	102	101	102	101
200	Mullins Bdy	76⅜	76⅜	76⅜	77
100	Munsing	54	54	54	54
4900	Murry Body	70⅞	68	68¼	69⅜
12400	Nash Mot	105½	103½	103½	104⅜
1500	*Nat Acme	30½	29¼	29¼	30⅛
600	Nat Bel H	215¼	210	210	215
1200	Nat Bisc	195	191	191	195
8200	Nat Cash R	99⅜	98	98⅛	99
12700	NCR rts	1½	1⅛	1½	1½
6300	Nat Dairy	129⅝	128	128	129⅝
2700	Nat Dpt Sto	32	31½	31⅞	32
200	Nat Distil	40	38⅝	38⅜	38⅜
400	Nat Distil pf	73½	73	73½	73
800	Nat Enam	57⅜	57	57⅛	58
100	Nat Lead	148⅛	148⅛	148⅛	149¾
10	Nat L pf B	119¾	119¾	119¾	..
7900	Nat Pw&Lt	45⅜	44¼	44⅜	45⅜
800	Nat Radiat	16½	15⅝	16	16
300	NaRyMx 2pf	3¼	3⅛	3⅛	3¼
200	Nat Supply	13	133	133	134¾
30	Nat Sup pf	116	116	116	..
200	Nat Surety	147⅜	147⅜	147⅜	148
200	Nat Tea	350	349	349	350½
9500	Nev Cons	41	40⅛	40⅛	41⅛
200	NY Air Br	45	44½	44⅝	47
6700	NY Central	191	188⅜	189	189⅞
300	NY C&StL	136¼	136	136	136¼
100	NY C&SL pf	108⅜	108⅜	108⅜	108⅜
200	N Dock	52	51	51	52
4600	NY NH&H	85⅞	84¼	84¼	85⅞
300	NY NH 7%	116½	116⅛	116⅛	116⅛
400	NY Ont&W	28⅞	28½	28½	29⅜
20	NY Stm 6%	102⅜	101½	101½	102
60	NY Stm 7%	114	113¼	113¼	113
900	Norf&West	193½	192⅜	193	193½
3000	No Am	92	91⅛	91¾	92½
400	No A Ed pf	103⅜	103¼	103¼	102⅝
300	No G Lloyd	61½	61	61	..
200	Nor Pac	109	107¼	107¼	108⅝
200	Nor Pac cts	105⅝	105	105⅝	105
800	Norwalk T	5⅞	5⅝	5⅝	6
10	Norwalk pf	40½	40½	40½	40⅛
10	Nor'west Tel	48¼	48¼	48¼	..
100	Nunnally	6⅜	6⅜	6⅜	..
100	Oilwell pf	104½	104½	104½	..
1100	Omnibus	9¼	9	9	..
400	Oppenheim	75½	74¼	74½	75½
40	Orpheum pf	92	92	92	..
500	Otis Elev	317	390½	317	303
7500	Otis Steel	41½	40	40¼	41
1100	Owens Bot	87¾	87	87¾	87¾
1200	Pac Gas	54	53¾	53¾	54½
100	Pac Lighting	71	71	71	70
790	Pac T&T	175	160½	169	162
8700	Packard M	144	140⅛	140⅛	143¾
600	Pan-Am Pet	47½	47	47¾	47⅛
4100	Pan-Am B	48½	47½	47½	48
6500	Paramount	60¼	58⅝	58⅝	60
3000	Park & Tilf	87½	85	85	87½
1200	Park Utah	11⅞	11½	11½	11¾
3000	Pathe Exch	13⅝	12¾	12⅝	13¾
300	Pathe Ex A	26½	26¼	26¼	26¾
3600	Patino M	38⅝	36½	36½	38½
500	Peerless Mot	21	20½	20¾	21⅝
200	Penick & F	42	41	41	42⅛
10	Penick&F pf	108	108	108	..
200	Penn Dix C	25	25	25	..
33000	Penn RR	80¾	79	79¼	80¼
1900	ere Marq	164¾	162	162	165
100	Pere M pf	96¾	96⅜	96⅜	..
9000	Pere M ppf	98½	97¾	98½	96½
100	Pet Milk	43¼	43	43	43
10	Phil Co 5%	48½	48½	48½	..
1100	Phil Read	32¼	31⅛	31	32½
3900	Phillips Pet	42⅝	42	42⅛	42¼
2300	Pierce-Ar	35½	34	34	35
200	Pierce-A pf	83	82½	82½	82
700	Pierce Oil	2¾	2½	2½	2½
200	Pierce O pf	34	32	32	33
1800	Pierce Pet	5⅞	5½	5½	5¾
4500	Pillsbury	63¾	61	61⅛	63½
100	Pillsbury pf	156	156	156	156
100	Pitts Coal	75¾	75¾	75¾	77
200	Pitts C pf	94½	92⅞	92⅞	93½
100	Pitts Ter	31	31	31	..
200	Postal Tel	103⅞	103⅞	103⅞	103⅞
200	*Pitts WV	144	144	144	..
24300	Prairie Oil	64⅝	62	62	63½
4400	*Postum C	76⅞	73⅞	73⅞	77
3600	Prairie Pipe	54⅞	54	54⅞	54½
1000	Press Steel	23	22⅜	22⅜	22¾
100	Press St pf	77	77	77	77⅛
200	Prod & Ref	23	22¾	23	23
100	Proph Brush	75	75	75	82¾
2400	Pub Serv	85	83½	83⅞	84¾
100	Pub Ser 6%	105⅞	105⅞	105⅞	106
100	Pub Ser 7%	121	121	121	..
100	P Sv EG pf	109	109	109	..
3100	Pullman	88⅝	86½	86½	87¼
1100	Punta Sug	21¼	19½	19½	20½
1600	Pure Oil	26¼	26	26⅛	26¼
20	Pure Oil pf	113	113	113	112
700	Purity Bk A	135½	135½	135½	137
10000	Radio new	73⅞	72⅛	72⅛	73½
500	Radio	364	351½	354	360
100	Radio pf	55¼	55⅛	55⅛	55¼
3700	Radio Keith	41⅞	39⅞	40¼	41⅞
400	Reading	108	105¼	105¼	108½
100	Readg 2 pf	95	95	95	48
700	Real Silk H	65	64⅞	64⅞	65⅝
100	Real Silk pf	100	100	100	97½
100	Royal B P pf	103	103	103	..
1300	Royal Bk P	37⅞	37⅜	37⅜	37⅞
9300	Rem Rand	32½	31	31	31⅜
600	Reo Motors	29⅜	28⅜	28⅜	29⅛
31300	Repub Stl	83⅜	81⅛	81⅝	82¼
200	Repub St pf	109¼	109	109⅛	109
100	Reynolds S	10⅜	10½	10½	11
1000	Richfield Oil	45¼	44⅜	45	45¾
600	Robert Reis	13	13	13	13¼
100	Rossia Ins	243	240	240	..
500	Royal Dutch	54⅛	54	54⅛	53½
3500	St Joseph	66½	64	64	65½
100	StL&SF	117	117	117	117⅛
500	StL&SF pf	94⅝	94½	94½	94⅝
200	StL SW	109	108	108	109½
300	StL SW pf	92	91⅜	91⅜	..
800	Safeway sts	187⅜	185	185	187¼
600	Savage A	48⅜	47	47	48
1000	Seabd AL	20½	20	20	20⅛
100	Seabd AL pf	23	23	23	23
100	Seagrave	16¼	16⅛	16¼	16¼
2900	*Sears Roe	174	169	169	174⅞
2300	Seneca Cop	6⅞	5⅝	5⅝	6¼
300	Shattuck	131⅜	130	131⅜	130
10200	Shell Union	28⅜	28	28⅜	28⅜
100	Shubert Th	71½	70½	70½	79¼
4600	Simmons	98⅜	95½	95½	97⅞
2500	Simms Pet	22⅛	21½	21½	22
10000	Sinclair	42	40½	40½	42⅜
1500	Skelly Oil	35	34½	34½	34½
200	Sloss Sh pf	110	110	110	..
1200	Snider	14⅝	13¾	14	13⅝
1100	Snider pf	40⅞	39	40⅞	37⅝
600	So Calif Ed	55	55	55	55
2300	So PR Sug	43	42⅛	42¼	42⅛
500	So Dairies A	40½	40	40½	40½
500	So Pacific	130⅞	130	130¼	130⅞
700	So Railway	156½	155½	155½	156½
430	SoRyM&O	140½	139	139	138½
200	Spang Ch	49½	47⅛	47⅛	48⅞
30	Spear&Co	12¼	12¼	12¼	12½
100	Spear pf	79	79	79	79
2800	Spicer Co	50⅜	49¼	49¼	49⅜
2200	Spigel Mst	78	77⅝	77⅞	78
1000	Sta Gas	85⅞	84½	84½	85⅛
400	Sta Mill	155	155	155	159½
120	Sta M pf	128¾	128½	128½	129½
1800	Sta Oil Cal	70⅜	69	69	69½
9200	Sta Oil NJ	52⅝	51⅛	51½	52⅛
10	Stan San pf	118½	118½	118½	..
46300	Sta Oil NY	43¾	42½	42½	43⅜
300	Sta Pl Glass	5⅝	5⅜	5⅝	5⅝
140	Sta Pl Gl pf	22	22	22	22
4800	Sta Sanit	51⅜	48¾	50½	48½
300	Stanley	41½	41	41⅛	40¼
3100	St-Warner	139⅛	132½	133¼	138⅛
1600	Stromberg	55⅝	55	55	54⅝
44700	Studebaker	90⅜	89	87½	89⅜
600	Sub Boat	3½	3¼	3⅜	3¼
2100	Sun Oil	66⅞	65¼	65¼	66½
1300	Super Oil	9⅞	9⅞	9⅞	9⅞
200	Super Steel	45½	45	45	45½
300	Symington	7	7	7	7
600	Symington A	16	15¼	15¼	16
2300	Tenn Cop	18¼	18	18	18⅛
29800	Tex Corp	66¾	64⅝	65¼	64½
103800	Tex Crp rts	34	33¾	34	34
7400	Tex Gulf S	78⅝	77½	78⅝	77¼
400	Tex&Pac	172¼	171	172¼	N
600	Tex&P Coal	17⅝	17⅛	17⅝	17⅜
41200	Tex&Pac LT	23⅜	22	22½	22
200	Thatcher	2 4	23	23	..
300	Thatch cv pf	44	44	44	44
3800	The Fair	51⅞	51	51	51⅛
100	Third Ave	36	36	36	35
100	Thompson	60	60	60	..
100	Tidewater	36½	36½	36½	36⅜
3900	Tidewat As	20⅝	20	20¼	20
300	Tidewat A pf	90	89½	90	89½
10000	Timken	81½	79⅛	79⅛	80⅞
4300	Trans Oil	11⅝	11⅜	11⅛	11½
600	Trico	42⅛	41⅝	41½	42
400	Truscon St	54⅛	54	54	53⅝
600	Twin City	49⅝	48⅝	48⅞	48½
200	Truax Tr	24⅝	24½	24½	25½
700	Underwood	96½	94½	95	96
1400	Un Bag & P	39	38⅝	38⅝	41⅜
7600	Un Carbon	202¼	198½	198½	198⅝
700	Un Oil Cal	49⅞	49⅞	49⅞	48⅞
500	Un Oil C rts	1⅜	1⅜	1⅜	1⅜
300	Un Pacific	219¾	217	217	219
200	Un Pac pf	83¾	83⅝	83⅝	83¾
200	Un Tk Car	122	121⅞	122	..
5300	Uni El Coal	75⅝	74⅛	75⅝	74⅜
600	Uni Fruit	141¼	140¼	141¼	140¾
200	Uni Paperbd	19½	16⅝	19½	..
2800	US CIPipe	46½	44¾	46	43¾
2500	US CIP 1pf	18¾	18⅛	18½	19
800	US CIP 2pf	19½	19¼	19¼	..
1100	US Dist	16⅜	16⅜	16⅜	15¾
200	US Hoffman	47⅝	46½	47⅝	46
800	*US Ind Alco	129	128½	128½	126¾
3300	US Leather	35⅝	33½	33⅝	35
4500	US Lea A	61¾	61	61	61¼
100	US Lea ppf	106	106	106	106
300	US Realty	83	82	82	83½
54000	US Rubber	55	52½	52½	54⅛
7200	US Rub 1 pf	91⅞	91	91	90¾
10000	US Smelt	67⅝	65	65	66⅝
200	US Smelt pf	56½	56½	56½	57
36400	US Steel	168⅝	164⅝	165¼	168
100	US Steel pf	141½	141½	141½	141¼
500	Univ Pipe	20⅛	20	20	20⅛
40	*Univ P pf	90	90	90	..
10	Utah Cop	293	293	293	293
1500	Util P&Lt A	40¾	40⅛	40¼	40⅜
27000	Vanadium	107¾	103	103	103¼
200	aVn Rite pf	62	62	62	..
9200	Victor	149½	147⅜	147¾	148¾
200	Victor pr pf	113½	113½	113½	..
15100	Va-C Chem	23⅞	22⅛	22⅝	22¾
2300	Va-C Ch 6%	64⅞	62½	62½	63½
100	Va-C Ch 7%	96	96	96	95½
1900	Vivaudou	13½	13⅛	13⅛	13⅞
400	Wabash	75	74	74½	..
700	Waldorf	25⅝	25	25¼	25
140	Ward Bk A	82	82	82	82
400	Walworth	23½	23⅝	23⅝	23½
12700	Ward Bk B	20⅞	19⅜	19⅜	19⅜
200	Ward Bk pf	87½	86	86	87¼
5000	Warner Br	124⅞	121½	121½	123½
800	Warner pf	55½	54½	54½	55⅜
2100	Warner Quin	37⅞	37⅛	37⅛	37⅞
100	Warren Br	158	158	158	161
1600	Warren F&P	31½	28½	28⅝	30
200	Weber & H	81⅞	80	80	81⅜
70	W PenEl 6%	100⅜	100⅜	100⅜	100
110	W PenEl 7%	110½	110½	110½	109½
10	W Pen P 7%	115½	115½	115½	115¼
200	Wn Dairy B	26⅜	26⅝	26⅝	28
2000	Wn Md	43⅜	42⅜	42⅜	43½
100	Wn Md 2 pf	43⅜	43⅜	43⅜	..
400	Wn Pac pf	58⅜	58⅛	58⅛	58
1900	Wn Union	195¼	190	191	190¼
2600	Westg A B	48⅞	47¾	47¾	48⅜
7800	Westg Elec	144½	138	138	141½
50	WestgE 1pf	138¼	138	138	138
14500	West El rts	4½	4¼	4¼	4⅝
200	Weston In	24	24	24	24⅝
300	Wesson Oil	102	100	100	..
100	Wess Oil pf	107½	107½	107½	..
600	White Eagle	35	34⅜	34⅜	34⅝
29200	White Mot	48⅛	46⅞	47	46½
1100	Will Rock ct	48⅝	47⅜	48⅛	47½
400	Whi Sew M	44⅝	43⅜	43⅜	43⅞
300	Whi Sew pf	56½	56½	56½	..
400	Wilcox	21	21	21	21
9500	Willys-Over	32⅜	32	32	32⅜
1000	Wilson	12	11¾	12	11¾
500	Wilson A	25	25	25	24⅝
300	Wilson pf	69	68⅝	69	..
2700	Woolworth	209	208⅛	208⅛	209⅛
2200	Wor Pmp	61⅝	58	58	60
100	Wor P A	91½	91½	91½	92
600	Wor Pmp B	81⅝	81⅝	81⅝	81½
5900	Wright A	292	262	264	291
2700	Wrigley	77½	74⅞	75⅞	75¼
100	Yale & T	62⅛	62⅛	62⅛	..
12900	Yel Truck	40⅜	39¼	40⅜	39½
200	Youngst'n	112½	109	109	112⅛
17200	Youngs Sp	60⅝	58⅞	58⅞	58⅞

*Ex-dividend. †Ex-rights. ‡Sales incomplete.

Markets at a Glance

BY THE A. P.

NEW YORK

Stocks: Heavy; airplane issues tumble.

Bonds: Irregular; International Telephone convertible 4½s heavy.

Foreign exchanges: Steady; Japanese yen up 7 points.

Cotton: Easy; southern selling.

Sugar: Steady; Cuban support.

CHICAGO

Wheat: Easy; forecast favorable weather.

Corn: Barely steady; increased contract stocks.

Cattle: Weak.

Hogs: Steady to lower.

BOSTON STOCKS

(Quotations to 1 p. m.)

Sales		High	Low	Last Jan.15	Last Jan.14
200	Aero Und	39	38½	38½	39
100	Am Brick	18	18	18	19½
150	Am Brit	20	19½	20	20
170	Am City Pw	64	63⅝	64	63¾
200	Am & Gen S	74	74	74	74
80	*†‡Am Fnd	80½	78	80	82½
10	Am Pneu 1pf	47¼	47⅛	47¼	..
2790	Am T&T	202¼	196¾	200	196¼
70	Am Woolen	26⅜	26⅜	26⅜	27⅜
170	Amoskeag	23⅜	23	23	23½
310	Ancaonda	119⅝	115⅞	116¼	119
200	Andes Pet	1¾	1⅝	1¾	1⅞
10	*Arcadian	1½	1½	1½	..
330	Ariz Com	4¾	4⅝	4½	4¾
70	Beacon Oil	23	22¾	22⅞	23
20	Big Hart	96	96	96	96
1830	Bingham	54	53	54	..
26	Bos El pf	101	101	101	101
20	Bos El 1pf	111	111	111	112
140	Bos El 2pf	105	105	105	104
15	B&M pf	109	108	108	110
25	B&M B sta	129	129	129	125
35	B&M C sta	110½	110¼	110¼	..
20	Bos Prov	180½	180½	180½	189
40	*Brown pf	93⅝	93⅝	93⅝	..
55	Cal&Hec	48½	46⅝	46⅝	47⅝
28	ChiJunct pf	105	104	105	..
100	Con Auto	14⅞	14⅞	14⅞	..
100	Con Gas	28½	27	28½	27½
30	Cop Range	25¾	25¼	25¼	25¾
430	Cred Alli	45	45	45	45
30	CrC&Seal	14½	14½	14½	14½
770	East Mfg	2¾	2⅝	2¾	2½
1370	E Butte	3½	3½	3½	3½
50	E Mass A	55	55	55	55
80	Em Asso	41½	41	41	41
200	Economy	23	23	23	23
65	Edison El	287	287	287	289⅝
1140	Eng Pub	54⅝	53¼	53¼	54¼
400	Fox	34½	33½	33½	34¼
30	Galv H pf	61	61	61	..
25	Gen Elec	235¾	233½	233½	233¾
1900	*Gilchrist	32	31	31	30
60	Gillette	119	118⅜	118⅜	119½
50	Granby	86⅛	86	86⅛	85⅞
4700	Greenfield	17	16	16	15½
125	Hathaway	46½	45	46½	..
80	Haygart	47¾	46½	46½	46½
100	Hygrade	44	43½	44	44½
25	Hygrade pf	99	99	99	..
270	Hood Rub	26	25¾	26	25½
130	Int Ah	91⅞	91½	91¼	..
350	Ins Sec	32	31½	31½	31½
10	Int Brit	10	10	10	..
10	Island Crk	54	54	54	55
10	Isle Royale	25¾	25¼	25¼	25
1700	Kr & Toll	42¼	41¼	41¼	41¼
65	Lake Copper	1¼	1¼	1¼	..
100	La Salle	1⅜	1⅜	1⅜	..
10	Libby McN	13½	13½	13½	..
150	Loew's Thea	12¾	12½	12¾	12½
250	*Mass Gas	131	128¾	130	131
15	Mass Gas pf	77	76⅜	76⅜	76¾
7810	Mass Util	13⅝	13⅛	13⅛	13⅛
10	Mergenthal	104	103½	103⅝	103½
380	Mohawk	47	46	46	46
430	Nash	105⅝	103⅝	103⅝	105
60	Nat Leather	4¾	4¾	4¾	5
1800	Nat Ser	6½	6	6	6
250	Nelson H	24½	24	24½	..
20	New C'nelia	41½	41½	41½	41
1600	New Dom	.25	.20	.20	..
5	NE Equit pf	96	96	96	92
25	NE So Mills	1¼	1¼	1¼	..
40	NE Tel	145	144	144½	145½
330	NY NH & H	86¼	84⅜	86	86
30	Nipissing	3⅜	3⅜	3⅜	3¼
1460	No Am Av	18⅞	18⅜	18⅜	19
17600	No Butte	6½	6	6⅜	6½
50	No Texas pf	9	9	9	..
100	Old Domin	17½	17	17¼	17¼
20	Pac Mills	32	31½	32	31½
920	Penn R R	80⅝	79⅜	79⅜	79⅞
45	Plant Co	25	25	25	..
10	Pocahontas	12½	12½	12½	12½
120	Quincy Min	.46	45	45	45½
200	Reece But	17½	17½	17½	17½
70	Reece Fold	1⅝	1⅝	1⅝	..
20	St Mary Ld	35	34⅞	34⅞	35
220	Shannon	.35	.35	.35	..
170	Shawmut	24	23⅞	24	24⅛
20	So NE Ice	15	15	15	15
10	So NE Ice pf	80	80	80	..
50	So Sur	38	37⅝	38	37⅝
380	Ster Sec	33⅞	33½	33⅝	33⅝
50	Sup & Bos	.40	.40	.40	..
30	Swift Inter	35¼	35	35¼	..
2000	Swift & Co	136	135¼	135¼	137
60	Torrington	83	83	83	84
200	Tower Mfg	8½	8¼	8¼	8¾
600	Traveler Sh	19½	19½	19½	18⅞
40	Un El Coal	75⅞	75⅞	75⅞	74½
70	Un Twist D	30	29⅝	30	29⅝
230	Uni Fruit	141¼	140¼	140⅜	142½
640	Uni Shoe	75	74½	74½	75
56	Uni Shoe pf	31¼	31⅛	31¼	..
20	US Smelt	67½	67	67⅛	67½
8	US Smelt pf	57	56½	57	..
800	Utah Apex	3⅜	3⅜	3⅜	..
20	*US & Brit	39⅝	39⅝	39⅝	40
700	US & Int S	25	25	25	..
20	Util Eq	100	100	100	100
25	Venez H	9	9	9	8½
30	Venez M	75	75	75	75
5	Whitenight	17¼	17¼	17¼	17½
160	Westfield	35	35	35	35
	BONDS				
$22000	Amoskeg 6s	88	88	88	88
3000	Chi Jct 4s	88½	88½	88½	..
14000	Hood Rub 7s	95	95	95	..
1000	KCM&B 5s	99	99	99	..
1000	Mas G 4½'31	99½	99½	99½	..
1000	NE Tel 5s	100¼	100¼	100¼	..
2000	Wst T&T 5s	100	100	100	99
2000	Whiteni 6½s	65	65	65	..

* Ex-div, † E-stock div and ‡ Ex-rights.

CHICAGO BOARD

Wheat	Open	High	Low	Close
March	1.18⅝	1.19¼	1.18⅛	1.18¾
May	1.22¼	1.22⅝	1.21	1.22⅛
July	1.23½	1.23⅞	1.22⅞	1.23⅛
Corn				
March	.95¼	.96¼	.94½	.95½
May	.98½	.99½	.97¾	.98¾
July	1.00⅛	1.01¼	.99⅝	1.00½
Oats				
March	.49¾	.50⅛	.49¾	.49⅞
May	.50¼	.50½	.50	.50¼
July	.48½	.48¾	.48¼	.48⅝
Lard				
Jan	11.85	11.85	11.82	11.82
March	12.00	12.00	11.97	11.97
May	12.27	12.30	12.22	12.25

Winnipeg Wheat

	High	Low	Last	Prev. Close
May		1.24¾	1.23⅝	1.24
July		1.26⅛	1.25¼	1.25½

Kansas City Wheat

	High	Low	Last
May	1.15½	1.14¾	1.15⅛
July	1.16⅝	1.15⅞	1.16

OTIS STEEL PROFIT

December profit of Otis Steel Company was $218,968 after charges and depreciation, but before federal taxes, compared with profit of $18,110 in December, 1927. For the year ended Dec. 31 profit was $3,901,750 after charges, except federal taxes, but before year-end adjustments, compared with $1,580,059 for 1927 and the best ever reported by the company.

LONDON WOOL SALES

LONDON, Jan. 15 (AP)—There was a large attendance at the opening of the first series of wool auction sales today. About 7400 bales were offered. There was a good general demand from the home trade and Germany, but American dealers were not active. Compared with the prices ruling at the close of the December sales, fine greasy crossbreds ruled slightly dearer, but all other grades were practically unchanged.

NEW YORK CURB

BY THE ASSOCIATED PRESS

INDUSTRIALS

(Sales in hundreds)		High	Low	1:00
6	Acetol Prod A	20¼	19	20¼
18	Acoustic Prod	17½	17⅛	17¼
1	Aero Sup A	44	44	44
1	Agfa Ansco	36½	36½	36½
1	Allied Packers	1¼	1⅛	1¼
2	Alpha Pt Cement	53½	52½	52½
5	Am Chain Stores	25	23	23
4	Am Com Alcohol	84⅞	84½	84½
33	Am Cont Oilfields	.68	.64	.67
41	Am Cyan B	56⅝	53⅛	53⅛
13	Am Dept Stores	22⅜	22	22½
3	Am&Fgn Pow war	55¾	54⅝	54⅝
2	Am Gas & El	147⅞	147	147⅞
10	Am Haw S S	22½	22	22½
12	Am Maracaibo	7⅞	7⅝	7⅞
3	Am Nat Gas	17⅝	17⅛	17⅛
4	Am Roll ing Mills	97⅞	97½	97⅞
5	Am Solv & Chem	29⅞	29⅞	29⅞
14	Am Solv&Ch ptc pf	51⅞	51	51⅞
6	Am States Sec A	11	11	11
4	Am States Sec war	4	4	4
51	Am Super Pow A	81⅞	79¾	81½
5	Am Superpow B	87⅝	85	87
1	Allied Pck pr pf	8	8	8
1	Agfa Ansco pf	74⅝	74⅝	74⅝
20	Am Commander	.06	.06	.06
1	Am Beverage	15¼	15¼	15¼
7	Am Syana rts	17⅛	17⅛	17⅛
†25	Lt & Tr pf	113½	113½	113½
10	AmStates SecArts	1⅜	1⅜	1⅜
6	AmStatesBrts	2⅛	2⅛	2⅛
51	Anglo-Am Oil	16¼	15⅛	16¼
2	AngloAmOilnonvot	15	15	15
4	Anglo Chil C Nitra	36½	36½	36½
9	Arkansas Nat Gas	4⅛	4⅜	4⅞
420	Arizona Globe	.22	.18	.20
2	Asso Dye & Print	20⅞	20⅝	20⅞
37	AAsso Gas & El	54⅛	53¼	53¼
†50	Ass Gas & E lwar	78⅜	75	78⅜
1	Atlas Plywood	79⅛	79⅛	79⅛
1	Auburn Auto	137⅞	137⅞	137⅞
3	Aviation Corp Am	43⅜	43½	43⅜
17	Barnsdall deb rts	18½	18⅛	18⅛
36	Bellanca Air vtc	23⅝	21½	22
2	Blauner's	52¼	52	52¼
38	Bliss Co	57⅞	56⅛	57¼
8	Boeing A & T	88	87	88
3	Bohn Alum&Brass	115⅞	115⅞	115⅞
2	Brazil Tract & Lt	79	78	79
	†Amsterdam Trad	33	33	33
3	Assoc Rayon	31⅞	31½	31½
1	Ass Rayon pf	82¾	82¾	82¾
5	Auto Reg Mch	9	8½	9
16	Auto Reg Mch cv	28⅞	28⅜	28¾
2	British Celanese	7⅜	7⅜	7⅜
2	Buckeye P Line	74¼	74	74
8	Budd (E G) Mfg	45	43½	45
16	Buff Niag&E Pw	76¾	70	70¾
36	Buff Niag&E P, A	64¾	64	64
3	Buff Niag&EP, pf	26½	26½	26½
2	C G Sprg&B new	10⅝	10⅝	10⅝
22	Camco vtc	15	13	15
11	Camco pf	38	36⅛	37⅜
30	Can Marc Wire	8⅜	8¼	8⅝
9	Carib Syn new	4⅛	4⅛	4¼
250	Celluloid Co new	250	250	250
†250	Celotex	65⅞	65	65
1	Cent Pub Serv A	36⅝	36⅝	36⅝
6	Cent Pipe	12¼	12⅛	12⅛
13	Checker Cab new	48¼	47	48¼
9	Bull Co	47⅞	47⅞	47⅞
167	Burmah Corp Ltd	4¾	4½	4⅝
‡80	Cities Serv new	90¼	89¼	89¼
‡4	Cities Serv pf	98⅛	98	98
2	Cities S Pw 7%pf	107¼	107¼	107¼
1	City Ice & Fuel	62¾	62¾	62¾
8	City Mach&Tool	34⅛	33	33⅞
1	Colgate Palmolive	80	80	80
31	Colombian Syndic	1¼	1¼	1¼
1	Colon Oil	13¼	13¼	13¼
†20	Comwlth Edison	223½	222½	223½
2	Comwlth Pw pf	102	101⅞	102
5	Comstockk Tunnel	1⅛	1⅛	1⅛
1	Cons Cop Min	13¾	13¾	13¾
1	Cons Dairy Pr nw	41⅝	41⅝	41⅝
38	Cons Film Ind	22½	22¼	22½
3	Cons Laun Corp	18	18	18
4	Cons Ret Stores	35⅞	35⅞	35⅞
13	Continental O vtc	19½	19	19½
30	Creole Syndic	10⅞	10¾	10¾
4	Cresson Gold	.73	.73	.73
1	Crown Central	1⅝	1⅝	1⅝
4	Curtiss A E	33	32⅜	33
25	Curtiss Flying	22¾	22¼	22⅝
18	Cities Svc rts	2⅜	2¼	2¼
1	Derby Oil pf	27	27	27
1	Dress Mfg	48	48	48
2	Darby Pet	25	24¾	25
18	Davenport Hosiery	28⅜	27	28⅝
8	De Forest Radio	22¼	22	22
8	Derby Oil	4½	4½	4½
2	Doehler Die-Cast	37⅛	37⅛	37⅛
1	Dominion Stores	163	163	163
4	Douglas Aircraft	27¼	27⅛	27¼
210	Dubilier Cond	11⅛	9	11
1	Duke Power	157¼	157¼	157¼
71	Du Pont de Nem n	145¼	143¼	144½
13	Durant Mot	16⅞	16⅝	16⅞
1	Durham Du Raz pf	42½	42½	42½
28	Elec Bond & Share	181½	179	181½
41	Elec Invest	87¾	85⅜	86½
1	El Po & Lt opt war	32⅝	32⅝	32⅝
4	Elec Shovel pf	60	58½	60
1	Empire Pow	51½	51½	51½
134	Evans Wallo Lead	21⅜	20¼	21⅜
2	Fageol Mot	6⅜	6⅜	6⅜
5	Fairchild Aviation	26¼	26¼	26¼
320	Falcon Lead Min	.16	.15	.15
1	Fandango Ltd	5⅝	5⅝	5⅝
23	Evans Aut Load rts	1⅜	1⅛	1⅜
36	Eng Pub Svc war	34½	33¼	33¼
1	Fash Park	48⅞	48⅞	48⅞
51	F Nat Cop	.50	.43	.45
141	Ford Mtr Ltd	19¾	19	19¼
18	Federal Wat A	57⅝	57½	57½
4	Federated Metals	35	35	35
44	Fiat deb rts	16⅞	16⅝	16⅝
†150	Firest Tire&Rub	248	248	248
4	Foote Bros	23¼	23¼	23¼
†670	Ford Mot Can	890	781	865
2	Forhan Co A	32	32	32
8	Foundation Forn	17⅝	17¼	17½
24	Fox Theater A	34⅜	34	34¼
1	French Line	53	53	53
18	Freshman Chas	10⅜	10⅜	10⅜
53	Gen Bak new	10¼	9⅞	10⅛
2	Gen Bak pf	77¼	77¼	77¼
2	Gen Bronze	43⅝	43⅝	43⅝
1	Gen Cable War	26	26	26
58	Gen Elec Eng rcts	14⅜	13⅞	14¼
1	Glen Alden Coal	136	136	136
28	Goldman Sachs	r124	123¼	123¼
24	Gold Seal Elec Co	31¾	31¼	31¾
27	Golden Cent Min	11¾	11¼	11¾
4	Gotham Knitbac	13½	13⅛	13½
4	Granite City Steel	39	39	39
2	Grigsby Grunow	161¾	161¾	161¾
2	Griffithe DW Co	1½	1½	1½
8	Gulf Oil Corp Pa	160	158½	158½
4	Habirshaw Cab ctf	30	27	30
1	Hall Lamp	26⅞	26⅞	26⅞
12	Hart aPr	74⅜	74⅜	74⅜
1	Hazeltine Corp	47½	47½	47½
28	Hiram Kalk G&W	82⅜	81	82⅜
1	Hood Rubber	26⅜	26⅜	26⅜
11	Horn & Co	43	42	42
8	Household iFn pf	50⅛	50	50
2	Houston Gulf Gas	20	20	20
48	Hudson Bay M&S	20¼	20	20
4	Humble Oil&Ref	101⅝	101⅛	101⅝
11	Huyler S Del	31½	31	31½
†50	Illinois Pipe iLne	299	299	299
5	Imp Oil Canada	99	99	99
1	Grigsby Grun rts	13½	13½	13½
2	Haygart Co	4 7	47	47
2	Helena Rub	24¾	24¾	24¾
2	Imp Chem Ind	10⅛	10⅛	10⅛
‡3	Ins co No Am	87¾	87¾	87¾
41	Insurance Sec	32¾	32⅛	32¾
24	Intercon Petrol	2¼	2	2¼
35	Internat Petrol	57¾	55⅞	57¾
1	Inter Saf Raz B	45¾	45¾	45¾
1	Inter Utilities B	1 7	1 7	17
1	Ital Superpower	12⅞	12⅞	12⅞
2	Joske Bros ctf	40⅜	40¼	40⅜
23	Keystone Aircraft	47½	46¾	47¼
8	Kimberly Clark	50⅛	50⅜	50⅜
5	Klein D Em Co	26⅜	26⅛	26⅜
1	Klein H part pf	20⅝	20⅝	20⅝
3	Lackawana Sec n	45⅞	45¼	45⅞
18	Lakey Fdy&Mach	27⅜	26⅛	26⅜
1	Lane Bryant	81	81	81
1	Lehigh C & Nav	152¾	152¾	152¾
5	Kennecott Cop wi	78⅞	78	78
3	Kirkland Gold	1⅛	1⅛	1⅛
8	Lambert Co rts	5⅛	5	5
1	Lib Ow Sh Glass	213	213	213
4	Long I Lt new	50¼	50	50
†10	Long I Lt pf	109⅛	109⅛	109⅛
4	*Magdalena Synd	64	60	64
31	Marconi Int M	23¼	23	23
3	Marc W Eng	20¼	20⅛	20⅛
10	Margay Oil	38	36	36
13	Massey Har new	93	90¾	93
2	Mavis Bot Co	9½	9¼	9¼
1	McLellan St A	56¼	56¼	56¼
1	Mead John&Co n	61¾	61¾	61¾
5	Mesabi Iron	2⅞	2⅞	2⅞
4	Miller & Sons	40	39	40
18	Min Co Can	5⅜	4⅝	4⅝
46	Miss Kan P Line	22	20⅛	21⅞
2	Moh & Hud Pow	65	65	65
19	McGraw Hill Co	49	47½	49
2	Moodys Inv pf	51	51	51
2	Nat Bell Hess	71¼	71¼	71¼
3	Mond Nick reg	54⅜	54½	54½
5	Moun & G Oil	1½	1¾	1½
2	Moun Prod	20	19⅞	19⅞
6	Munic Serv	37¼	37¼	37¼
25	Nathan Straus	35⅞	35	35
4	Nat Fam Stores	32¼	32	32¼
1	Nat Food P A	35⅞	35⅞	35⅞
3	Nat Food P B	12	11⅞	12
1	Natl Fuel & Gas	27	27	27
1	Nat P&L pf	108	108	108
1	Nat Pub Serv A	25	25	25
†50	Nat Sug Ref	188	188	188
1	Nat Thea Supply	10⅛	10⅛	10⅛
1	Nat Trans	24	24	24
3	Nehi Corp	28⅜	27⅞	28⅜
2	Nelson Corp (H)	24½	24½	24½
1	Nev Cal Elec	51	51	51
3	New Corn Cop	41⅝	41⅝	41⅝
†10	N J Zinc	300	300	300
1	New M & Ariz Ld	8⅛	8⅛	8⅛
3	Newmont Min	200	198	198
1	NUewt Stl new	71	71	71
1	N E Fuel	3¼	3¼	3¼
*85	No Am Avia	18¾	18¾	18¾
1	N Y Mdse	41¼	41¼	41¼
†350	N Y Transit	75	74	75
2	Nichols&Shepard n	81¼	81¼	81¼
1	Nichols&Shep war	62¼	62¼	62¼
1	NilesBemPond	204⅝	204⅝	204⅝
4	Nipissing Mines	3⅜	3⅜	3⅜
24	Noranda Mines	64¼	63	64¼
2	NorAmCement	12¼	12¼	12¼
7	NorAmUtilSec	15¼	15¼	15¼
14	Northeast Pow	53⅞	52	52
4	NorWestEng n	43⅛	43⅛	43⅛
65	Ohio Cop	1⅞	1¾	1¾
11	Ohio Oil	71⅝	71½	71½
6	PacG&E 1pf	27½	27½	27½
3	PacificWestOil	22½	22¾	22¼
9	Pandem Oil	2⅛	2	2
1	PantepecOilVenez	10	10	10
3	Paramount Cab	38¼	38¼	38¼
10	PennOhioEd n	67⅝	67	67¼
4	PennOhioEd war	42⅝	41	41
†20	PennOEd6%pf	95½	95½	95½
2	Penn Ohio Secur	22	22	22
12	No States Pw rts	6¼	6⅛	6¼
2	Oil Stocks Ltd A	15	15	15
3	Oil Stocks Ltd B	15⅝	15½	15½
†25	Penn Salt	98½	98½	98½
170	†Penney Co	397¾	395	395
1	Perfect Circle	60	60	60
†125	Phelps Dodge	212	209	209
4	Pierce Governor	34⅞	34	34⅞
2	PigglyWstStateA	193	193	193
1	PitneyBowPostage	25	25	25
5	Plymouth Oil	29⅝	29⅜	29⅝
2	RainbowLProdA	57½	57½	57½
1	Ray Bestos	72¾	72¾	72¾
†170	RealtyAsBklyn	475	472	475
1	Reiter Foster	6⅜	6⅜	6⅜
1	Reynolds Metal	35	35	35
2	Reynolds Metal pf	65¾	65	65
2	Ritter Dental	51	50	50
4	Prellis Co	57	56	57
15	Radio Cop pf	75⅞	75½	75½
5	Roan Ant Cop	46½	46½	46½
3	Rochester Cent P	43½	43	43
1	Ross Stores	25	25	25
1	Ruberoid Co	105	105	105
1	Ryan Con	8⅝	8⅝	8⅝
5	Saft T Stat Co	29	29	29
†25	Safety Car H&L	194	194	194
13	St Anthony Gold	.60	.59	.59
2	St Regis Paper	135⅝	135⅝	135⅝
‡5	Salt-Creek Prod	26⅝	26⅛	26⅝
20	San Toy	.05	.05	.05
73	Schulte Real Est	36¼	35	36
2	Sec Gen Am Inv	32	32	32
2	Sec Gen Am In pf	118	118	118
3	Seeman Bros	76	76	76
2	Selfridge Prov Sto	3⅞	3⅞	3⅞
41	Servel Inc vtc	15½	15⅛	15⅛
1	Seton Leather	31⅜	31⅜	31⅜
6	Shattuck Denn	22¼	21⅝	22¼
1	Sheaffer Pen	61⅝	61⅝	61⅝
3	Sikorsky Aviation	34	33⅜	33⅜
3	Silica Gel Corp vtc	25⅜	24⅜	25⅜
3	Sel Indus	19⅞	19½	19⅞
8	do 1st pd	100	100	100
1	Stahl & Meyer	50⅞	50⅞	50⅞
2	Singer Mfg Ltd	9	9	9
2	South Asbestos	44½	44½	44½
8	Southeast Pow & L	80	79⅞	79⅞
22	Southeast P&L w	36½	36⅜	36⅜
1	S'east P&L ptpf	89⅛	89⅛	89⅛
1	South Penn Oil	67	67	67
1	Souwest Stores	26	26	26
1	Souwest St pf	26	26	26
4	Span&Gen Corp	5⅜	5⅜	5⅜
2	Sparks Withing	170	169	169
3	Spencer Kellogg	44⅝	44⅛	44⅛
1	Stand Invest	39	39	39
4	Standard Motors	4⅛	3⅞	3⅞
271	Stand Oil Indiana	99	92	98
1	Stand Oil Kansas	20⅜	20⅜	20⅜
24	Stand Oil Ky new	43	42¾	43
1	Stand Oil of Ohio	117	117	117
4	Stand Pow&Lt	58	57	57
8	Stromberg Carlson	31	30	30
8	Swift Int	35⅞	35½	35½
2	Taggert Corp	44	43⅞	44
4	Tampa El	69½	69	69
152	Texon Oil & Ld	4⅛	4¼	4⅜
66	Thompson Prod A	65½	62	65½
‡5	Tietz Inc (L) war	616	616	616
4	Timken Det Axle	34	33⅞	33⅞
18	Todd Shipyds	76½	75	75½
2	Toddy Corp A	30½	30½	30½
1	Tonopah Mining	3⅛	3⅛	3⅛
18	Transamer Corp	131	130⅞	131
25	Transcont A Tr	27	26⅜	26⅞
185	Trans Lux D P	12	11½	11½
10	Texon Oil n	22⅞	22¼	22⅝
1	Travelers Air	57	57	57
25	Uni Gas Co	26¾	26⅝	26⅝
3	Tung Sol Lamp	15⅞	15⅞	15⅞
3	Union Am Invest	62	61⅛	61⅛
7	United Biscuit B	31⅞	31¼	31⅞
2	United Carbon vtc	57¼	57	57
1	United Carbon pf	93½	93½	93½
6	Unit Gas Imp	169	167½	167½
1	Unit Elec Serv rts	3	3	3
‡38	Un Lt & Pow A	33½	33⅜	33⅜
‡1	Un Lt & Pw B nw	37¼	37¼	37¼
1	Unit Milk Prod	17½	17½	17½
2	U S Foil B	59⅜	59	59⅝
2	US Freight new	97¼	97	97¼
12	United Verde Ext	21⅞	21½	21½
15	Unity Gold Min	1½	1¼	1½
87	Universal Aviat	23⅞	23	23¼
1	Utah Apex Min	4	4	4
3	Util P&L B BBctf	37⅞	37½	37⅞
1	Utility Shares	24½	24½	24½
67	Vacuum Oil	126⅜	124⅝	124⅝
12	Venezuelan Pet	5⅜	5⅝	5⅝
2	Walgren war	61⅞	59½	59½
5	Watson (JW) Co	12½	12⅜	12⅜
24	Wenden Con Min	2	1⅞	1⅞
13	Westvaco Chlorine	56⅜	56	56
1	White-Nights Inc	17⅝	17⅝	17⅝
2	Williams Oil O'Mat	27½	27½	27½
‡21	Williams R C	40	36⅞	38
2	Winter Benjamin	13¾	13¾	13¾
3	Wire Wheel	29⅞	29⅝	29⅞
3	Woodworth Inc	40⅜	40	40⅜
7	Y Oil & Gas	4⅛	4⅛	4⅛
2	Zenith Radio	52⅛	52¼	52⅛
18	Zonite Prod	33	32⅝	33

DOMESTIC BONDS

(Sales in $1000)

Sales		High	Low	1:00
7	AlaPow4½s'67	95⅛	95⅛	95⅛
24	AllPack8s'39	51	50	50½
15	AllPack6s'39	50⅛	50	50
15	AlumCorp5s'52	102¼	102¼	102¼
4	AluminumLtd5s'48	98¼	98	98¼
30	AmComAlco6s'43	126½	121¼	124½
32	AmG&E5s'28	97	96⅞	97
20	AmPo&L6s2016	106¼	106	106¼
8	AmRollM5s'48	96⅜	96¼	96⅜
2	AmSeat6s'36	97¼	97¼	97¼
18	AmSolv6½s'36	118	117⅞	117⅞
30	AssoG&E5½s'77	102⅞	102¾	102⅞
340	AssoG&E4½s'48	111¼	109⅞	110⅛
115	AssoG&E4½s'48ww	103½	103	103
90	AtchT&SF4½s	114	114	114
3	BeaconOil6s'36ww	116⅞	116⅞	116⅞
4	BellTelCan5sA'55	101¾	101½	101½
10	CanNatRy4½s'68	95⅜	95¼	95⅜
10	CanNatRyEq7s'35	110	110	110
1	CentStP&L5½s'53	95	95	95
4	Cities Seh 5s 66	90½	90½	90½
1	Cities S Gas 5½s 42	92	91½	92
8	Cities S G P 6s 43	98¼	98	98¼
4	Cities Ser P 5½s 57	97¼	97	97¼
24	Col R Brdg 6½s 53	98½	98¼	98⅜
8	Comwlth E 4½s 57	97⅝	97½	97⅝
2	Cont Gas&El 5s '58	90⅞	90⅞	90⅞
10	Cont Oil 5½s 37	96	96	96
1	Cudahy P 5½s 37	99⅜	99⅜	99⅜
1	Denv & S L 6s 60	90½	90½	90½
2	Det In Br 6½s 52	95½	95	95
1	Dixie G G6½s37A	87½	87½	87½
10	Emp O&R 5½s 42	91	90⅜	90⅜
5	Fed Suger 6s 33	86⅜	86¼	86¼
1	FirestoneCM 5s 48	94	94	94
30	Fla PwLt 5s 54	91¼	90⅜	91¼
2	Gatineau P 5s56	96⅞	96½	96⅞
1	Gatineau P 6s 41	100	100	100
16	Georgia Pow 5s 67	98½	98⅜	98½
5	El P N Gas 6½s'38	99½	99	99½
1	GuardianInvst5s'48	98	98	98
1	HoodRub7s'36	97	97	97
3	HoustonGulfG6s'43	91	91	91
5	Indep Oil 6s '39	108	108	108
13	IndnaplsP&L5s'57	99½	99⅜	99⅜
2	IntSecCorp5s'47	90½	90½	90½
1	InterstatePw6s'52	96	96	96
5	InterPw5s'57 n	96	96	96
50	InvestCo5s'47	102¼	101⅞	102¼

Foreign Issues

Bank of the Silesian Landowners Assoc., 6s, 1947
City of Lima, Peru, 6½s, 1958
City of Tucuman, Argentine, 7%, 1951
Dept. of Santander, (Rep. of Colombia), 7s, 1948
Farmers' National Mortgage Institute, 7s, 1963
Housing and Realty Improvement Co., 7s, 1946
Vesten Electric Railways Corporation, 7s, 1947
Canadian National Railway Company, 4½s, 1968

Prices to yield from 4.75% to 7.75%

Descriptive circulars on request

E. H. Rollins & Sons
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FIXED TRUST SHARES are sold to investors by established investment houses and banks in most of the important cities of the United States and in several foreign countries. *Booklet on Request*

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The Equitable Trust Company of New York, *Trustee*

(Sales in hundreds)		High	Low	1:00
	(see curb table above)			

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While a certain good bond may meet the needs of your best friend, it may miss your own needs. Let us analyze your situation so that we may intelligently recommend the logical investment for you.

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of Every Description

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Sales		High	Low	1:00
15	KoppersG&C5s'47	99½	99¼	99½
15	LehighPS6sA2026	105⅞	105⅝	105¾
1	LoneStarGas5s'42	99½	99½	99½
5	LouisianaPL5s'57	95½	95½	95½
10	MassGas5½s'46	104	103¾	104
3	McCordRad6s'43	98⅜	98½	98⅜
2	MemphisNG6s'43	97	97	97
1	MilwGas&E4½s'67	99¼	99¼	99¼
2	MontWrdPrp5s'46	102⅜	102⅜	102⅜
6	MontrealL&P5s'51	100¼	100¼	100¼
3	NeisnerProInc6s	108	108	108
8	NYFgrsInc5½s	92	92	92
6	NOPS5s	96	96	96
6	Uarragansett 5s57	100½	100½	100½
45	N Straus 6s38	140½	133⅝	140
8	Nat Pw&Lt 6s2026	105¼	105¼	105¼
1	Nat P Serv 5s78	83½	83½	83½
15	NE Gas&El 5s47	96⅜	96⅜	96⅜
15	NY Chi&StL 4½s78	96⅝	96½	96½
20	NY Pw&Lt 4½s67	93⅞	93⅝	93⅝
4	Niag F Pw 6s50	105½	105½	105½
1	Ohio Pw 4½sD56	93½	93½	93½
40	Pac W Oil 6½s43	98⅜	98½	98½
1	Penn P&L 5sO53	102½	102½	102½
5	Pow Crp NY5½s47	98	98	98
20	Roch C Pw 5s53	88⅛	88	88
2	San Ant P Ser 5s58	96	96	96
2	Servel Cor 5s48 nw	82½	82½	82½
1	ShwngW&P 4½s67	94½	94½	94½
40	Snider Pack 6s32	100⅞	99⅞	100⅞
20	SEP&L 6s2025	105½	105	105
1	So Cal Ed 5s44	101⅞	101⅞	101⅞
15	So Cal Ed 5s37	92⅜	92⅜	92⅜
2	SoWest G&E 5sA57	96⅛	96⅛	96⅛
20	Stand Pow & Lt 6s	99¼	98⅜	99⅛
18	Swift Co 5s32	99⅜	99⅝	99⅝
4	Trans Lux 6½s32	108	108	108
3	Un Lt&Ry 5½s52	94¼	94¼	94¼
4	Trans L 6½s32ww	90	90	90
1	US Rub 6½s '31	99¾	99¾	99¾
1	US Rub 6½s '34	99½	99½	99½
1	US Rub 6½s '36	99½	99½	99½
1	US Rub 6½s '37	99¾	99¾	99¾
1	US Rub 6½s '38	99⅞	99⅞	99⅞
5	US Sm 5½s '35	103¼	103¼	103½
30	West Pow 5½s '57	112	110½	110½
4	Wheel Stl 4½s '53	88⅞	88⅞	88⅞
	FOREIGN BONDS			
20	Abitibi P 5s '53	87⅛	87⅛	87⅛
2	Berlin El 6½s '29	99	99	99
1	Bolivia Rep 7s '69	91½	91½	91½
1	Bu Air P 7½s '47	103	103	103
4	Com Pr B 5½s '37	88⅞	88¾	88⅞
20	Dept C Val 7s '48	94	94	94
1	E Prus L B 6s '30	96⅜	96⅜	96⅜
3	Ercole Marel 6½s	96	96	96
3	El Pw Ger 6½s '98	93½	93½	93½
1	Estonia 7s '67	88¼	88¼	88¼
4	Euro Mtg 7s '67	91½	91	91¼
19	Fin Ind Bk 7s '44	90	90	90
1	Fnld RMBk 6s '61	89½	89½	89½
1	Frankfort 6½s '53	94	94	94
1	Gelsenkirchen 6s'43	90	90	90
5	Ger Con M 6s '47	97⅛	97⅛	97⅛
15	Ger C M 6s '47	88½	88⅛	88½
20	Ger P&CBk6½s'58	88	87⅜	88
10	Guanta W RR 6s	85	85	85
1	Ital SupP 6s '63	81½	81½	81½
1	Mans M&S 7s ww	96	96	96
2	Medel Col 7s '51	96½	96½	96½
1	Mendo Pr 7½s '51	98	98	98
1	Nip ElP 6½s '53	91½	91½	91½
1	Parana Br 7s '58	92	92	92
10	Prus FS 6½s '51	95⅜	95½	95½
12	Prus FS 6s '52	90⅜	90	90⅜
5	Rio Gr 7s '67	96½	96½	96½
2	Pot Sug 7s ww	75	75	75
1	Stinnes 7 pf '36	89⅛	89⅛	89⅛
46	Stinnes 7s pf	89⅛	89⅛	89⅛
10	Russ6½sctfsNC 19	13½	13½	13½
1	Saar Bas C 7s '35	99	99	99
2	Santi Ch 7s '49	100	100	100
1	Silesia P 7s '58	84½	84½	84½
20	Un El Serv 7s '56	120½	120	120½
3	Un Ind 6½s '41	91½	91½	91½
4	Un SW 6½s '47A	89	88	88

†Actual sales ‡Ex-dividend. c Cash.

LONDON QUOTATIONS

LONDON, Jan. 15 (AP)—Consols for money today were 56⅝. De Beers 11¾ and Rand Mines 3⅝. Money was 3⅝ per cent; discount rates, short bills 4¼ per cent; three months 4⅛ per cent.

NETHERLANDS BONDS CALLED

The entire issue of $40,000,000 Kingdom of Netherlands 30-year 6 per cent external sinking fund gold bonds of 1924 has been called for redemption April 1 next.

CLOTH MARKET SALES MOSTLY IN SMALL LOTS

Some Large Transactions at Week's Low Figures—Price Average Up

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

NEW BEDFORD, Mass., Jan. 15—The primary cotton goods market was spotty last week. While there were some fairly good sized sales made at the bottom prices of the week, most of the business was in small lots which, in connection with a few large sales, made a fairly good volume for the week. Prices averaged slightly higher than in the previous week.

The report of the Association of Cotton Textile Merchants of the actual business done in the month of December shows that it was a fair month. While production outran sales by 25 per cent, shipments were nearly up to the production rate of 98.9 per cent. Stocks of goods on hand increased less than 1 per cent, while unfilled orders decreased 9.8 per cent.

In print cloths, which again led the market in total volume, most of the sales were of small amounts, with the greatest volume moving at the lowest prices. The 38½-inch 5.35-yard 64x60s sold at 7½@7⅝c and the 68x72s at from 8⅝@8¾c. The 72x76s brought 9¾c all week, and the 80 squares 10¾c for spot, and 10⅝c for future delivery. These numbers moved in very fair volume. The 60x48s was obtained at from 6½@6⅝c.

Sheetings were bought by the bag trade in large volume at what are described as sacrifice prices. The numbers which moved most freely were the 36-inch 40x40s 6.15-yard which went to the bag trade in several million-yard sales at 5½c net. The 31-inch 48x48s 5.00-yard moved at 6⅞c. The 36-inch 5.50-yard sold at 6⅛c, and the 40-inch 48x44s 3.75-yard at 8⅝c in small lots for January delivery.

Pajama checks 36½-inch 64x60s 5.75-yard sold at 7⅜@7½c and the 88 squares 4.00-yard at 10⅜@10½c. Osnaburgs moved on a basis of 12c for high-count 30-inch 7-ounce goods.

Three-leaf twills 39-inch 68x76s 4.00-yard sold at 10¼c and the 64x48s 6.00-yard at 7¼c. The 37-inch drills 3.00-yard brought 11@11¼c, and the 3.95-yard 8½c, which price also applied to the 30-inch 4.00-yard. The 31-inch 2.50-yard drills moved at 13@13¼c.

There was somewhat more interest displayed in broadcloths. The 80x60s carded sold at from 9⅛@9c, and the 90x60s 10⅜@10¼c, the lower price being for future delivery. The 100x60s brought 11@10¾c for spot and 11c for future delivery. The 112x60s moved at 12⅝c for spot, but 12⅝@12¾c for future delivery. The combed broadcloth 144x76s sold at 18c for near-by and 18¾c for future delivery. The same number two-ply 100s brought 35c for spot and 34@35c for future delivery.

The fine goods division showed increasing interest in a number of lines, such as fancy shirtings, curtain materials, handkerchief cloths, piques, gabardines, and dimities. The 34-inch 72x100s 7.00-yard pongees sold at 12¼@13c. The 40-inch 88x80s 8.50-yard lawn brought 12¼c. The 40-inch 80x80s 11.00-yard lawn moved at from 13¾@15½c, according to quality, and the 96x100s 7.00-yard at from 15¾@16c. Some 40-inch 60x56s extra hard twist voiles sold at 11½c, while the same construction, ordinary hard twist, brought 9¼@9¾c.

Rayon and cotton goods last week were not quite so active as recently. The 64x48s sold at 13¾@14c with foreign rayon, and from 14½@15c with domestic rayon. The 64x52s brought 15½c with foreign, and from 16@16¼c with domestic rayon. Cotton and rayon dobbies 64x48s moved at 14½@15c with foreign, and at 15¼@16c with domestic rayon. Rayon and cotton voiles 36-inch 60x56s with 75-denier rayon sold at from 34@35c, and the 35½-inch 60x54s brought 1c less. The 39-inch celanese voiles 64x64s with 75-denier rayon moved at 38@40c.

MONEY MARKET

Current quotations follow:

	Boston	New York
Call loans—renewal rate	7%	7%
Commercial paper	5¼@5½	5½
Customers' loans	5½@6	7¼
Collateral loans	6 @6½	7¼
Year money	6½	
Time Loans—		
Sixty-ninety days	7½	7½
Four to six months	7½	7½

	Today	Last Previous
Bar silver in New York	57¼c	57½c
Bar silver in London	26⅛d	26⅛d
Bar gold in London	84s11½d	84s11½d

Clearing House Figures

	Boston	New York
Exchanges	$93,000,000	$1,915,000,000
Balances	38,000,000	173,000,000
F. R. bank credit	37,158,000	137,000,000

Acceptance Market

30 days	4¾@4½
60 days	5 @4¾
90 days	5 @4¾
4 months	5⅛@4⅞
5 months	4¼@5
6 months	5¼@5

Non-eligible and private eligible bankers in general ¼ per cent higher.

Leading Central Bank Rates

The 12 Federal Reserve banks in the United States and banking centers in foreign countries quote the discount rate as follows:

Atlanta	5%	Budapest	6%
Boston	5	Calcutta	7
Cleveland	5	Copenhagen	5
Chicago	5	Helsingfors	6
Dallas	4½	Lisbon	9
Kansas City	4½	London	4½
Minneapolis	4½	Madrid	5½
Philadelphia	5	Oslo	5½
New York	5	Paris	3
Richmond	5	Prague	5½
St. Louis	5	Riga	7
San Francisco	4½	Rome	6
Amsterdam	4½	Sofia	9
Athens	8	Stockholm	4½
Berlin	6½	Swiss Bank	3½
Bombay	7	Tokyo	7.03
Brussels	4	Vienna	6
Bucharest	6	Warsaw	6

Foreign Exchange Rates

Current quotations of foreign exchanges compare with the last previous figures as follows:

	Today	Last Prev.	Parity
Europe			
Sterling:			
Demand	$4.84¾	$4.84 11/16	$4.8665
Cables	4.85⅛	4.85 1/16	4.8665
France—franc	.0390 11/16	.0390¾	.193
Belgium—belga	.1390½	.1390	.139
Italy—lira	.0523¼	.0523¼	.193
Germany—mark	.2376½	.2376½	.238
Austria—schill'g	.1406¼	.1409	.1407
Cz'ch'kia—crown	.0296¼	.0296	.2026
Denmark—krone	.2667¾	.2667½	.268
Finland—finm'rk	.0252	.0252	.0252
Greece—dr'chma	.0129¼	.0129⅜	.193
Holland—florin	.4009½	.4010¾	.402
Hungary—pengo	.1744¾	.1745	.1749
Norway—krone	.2666½	.2666	.268
Poland—zloty	.1123	.1125	.1122
Port'gal—escudo	.0440	.0449	1.0805
Rumania—leu	.0060¾	.0060	.193
Spain—peseta	.1632½	.1633	.193
Sweden—krona	.2674	.2674½	.268
Switz'land—franc	.1923¼	.1924⅜	.193
Jugoslavia—dina	.0175¾	.0176	.193
Far East			
Hong Kong—dol.	.5021	.5027	.5425
Shanghai—tae'l	.6371	.6385	*
India—rupee	.3653	.3652	.4866
Japan—yen	.4525	.4562	.4985
Phil Islnds—peso	.4975	.4975	.50
Sts Stlments—dol	.5637½	.5650	.5678
South America			
Argentina—peso	.4214	.4216	.4245
Brazil—milreis	.1191	.1190	.3245
Chile—peso	.1205	.1205	.1216
Colombia—peso	.9804	.9804	.9733
Peru—pound	4.00	4.00	4.8665
Uruguay—peso	1.0278	1.0278	1.0342
Ven'z'la—bolivar	.1910	.1910	.1930
North America			
Cuba—dollar	.9990	.9990	1.00
Mexico—dollar	.4312½	.4337½	.4985
*Par unsettled.			
Canada—dollar	.99¾	.99¾	1.00

NEW YORK BOND QUOTATIONS

(Quotations to 2:50 p. m.)

	High	Low
Abr Straus 5½s	118	117½
Ajax Rubber 8s '36	103½	103½
Allis Chalmers deb 5s '37	100½	100⅛
Am Ag Chm 7½s '41	105	105
Am Chair deb 6s '33	98	97¾
Am Cotton Oil 5s '31	99	99
Am Cyanamid 5s '42	94	94
Am Nat Gas 6½s '42	96	96
Am Smelting 5s '47	101	100½
Am Sugar Refining 6s '37	104⅝	104
Am T & T col 4s '29	99¼	99¼
Am T&T 4½s cv '33	101	100⅞
Am T & T col 5s '46	104¼	104⅛
Am T & T 4s '36	97½	97⅜
Am T & T sf 5s '60	105½	104¾
Am T & T deb 5½s '43	107½	107
Am Type Founders 6s '40	104½	104½
Am WW&Elec 5s '34	99⅛	98¼
Am WW&Elec deb 6s '75	104¼	104⅛
Am Writing Paper 6s '47	84⅞	84⅞
Anaconda Cop 6s '53	105¼	105
Anaconda Cop 7s '38	191¼	190
Anglo-Chile 7s '45	95½	95¼
Armour & Co 4½s '39	92⅝	92
Armour & Co 5½s '43	92¼	91⅞
Associated Oil 6s '35	102½	102½
Atch TSF adj 4s sta '95	87⅞	87⅞
Atch TSF gen 4s '95	92⅞	92¼
Atch TSF 4½s CA div '62	92	92
Atlanta Knox C 4s	91½	91½
Atl Coast Line 1st con 4s '52	91¾	91¾
Atl Gulf & WI 5s '59	73	73
Atl Refining deb 5s '37	102¼	102¼
Baldwin Loco 5s '40	106½	106½
B&O 4s Tol & C div '59	83¼	83¼
B&O 1st 4s '48	92½	92⅛
B&O cv 4½s '33	98½	98⅜
B&O rfg 5s '95	101¾	101¼
B&O 5s series D	101½	101⅜
B&O 5s ct Swn div	102¾	102¾
B&O rfg 6s '95	109⅞	109¼
Barnsdall Corp 6s '40	138	135½
Barnsdall 6s '40 exlwar	99⅞	99¾
Bell Tel of Pa rfg 5s '48 B	105⅛	105⅛
Beth Steel p m 5s '36	100¾	100½
Beth Steel con 5½s '53	103¼	103¼
Beth Steel con 6s A '48	105	104⅞
Bing & Bing 6½s '60	98½	98½
Boston & M 5s	98¼	98
Bow-Biltmore s f g 7s '34	99½	99½
Broadway & 7 Av con 5s '43	72⅛	72⅛
Bklyn Ed gen 5s A '49	105	105
Bklyn Ed gen 6s B '30	100¾	100¾
Bklyn-Man Tr sf 6s '68	98¼	98
Bush Term Bldg 5s '60	103⅛	103⅛
Bush Term con 5s '55	98½	98½
Cal Pet cv 5s '39	101	101
Cal Pet 5½s '38	103	103
Can Nat Ry 4½s '30	99⅜	99⅜
Can Nat Ry 4½s '57	95¾	95¾
Can North deb 6½s 46	115½	115¼
Can North sf 7s '40	111⅞	111⅞
Can Pacific 4½s '46	98⅝	98⅛
Can Pacific deb 4s	85	84½
Carolina Clin & O 5s '38	101½	101½
Carolina Clin & O 6s '52	103⅜	103⅜
Cen Dist Tel 5s '43	104	104
Cen R R & B of Ga 5s	98½	98½
Cen of Ga 6s '29	100⅛	100⅛
Cen Pacific 1st 4s '49	90¾	90½
Cen Pacific 5s '60	102¼	102¼
Cen Steel 8s '41	124½	124
Ches Corp 5s '47 rcts	99¾	99
Ches & O cv 4½s '30	99	99
Ches & O Coal R 4s	90⅛	90⅛
Ches & O Warm Sp	100	100
Chi & Alton Ry 3½s '50	70	70
Chi & Alton 3½s ct dp '50	70	70
Chi B & Q 3½s Ill div '49	86	86
Chi B & Q gen 4s '68	91¾	91½
Chi B & Q 4½s '77	99	99
Chi & East Ill 5s '57	82½	82¼
Chi & Erie 1st 5s '82	103½	103½
Chi Gt West 4s '59	69½	69½
Chi Ind & L gen 6s '66	106⅝	106⅝
Chi M & St P 4½s C	94⅞	94⅞
Chi M&StP 4½s rcts E '89	94⅝	94½
Chi M StP&Pac adj 2000	79	78¾
Chi M StP&Pac 5s '75	93⅝	93¼
Chi & Nw gen 4s '87	89½	89½
Chi & NW 4½s 2037	96¼	96¼
Chi & Nw 6½s '36	110¼	110¼
Chi Nw 6s	100	100
Chi Railway 5s '27	82	82
Chi RI&P rfg 4s '34	95	94¾
Chi RI&P 4½s	93⅞	93⅞
Chi Ter Hau & SE 5s '60	98	98
Chi Un Sta 4½s A '63	100	100
Chi Un Sta 5s '44	102	102
Chi Un Sta 5s B '63	103	102½
Chi Un Sta 6½s C '63	115½	114⅞
Chi & W Indiana 4s '52	87½	87½
Chile Copper 5s '47	95	94¾
Cin Gas & Elec 4s	88⅞	88¾
Clev CC&StL rfg 5s D '63	102¼	102¼
Clev CC&StL rfg 6s A '29	100⅛	100⅛
Clev Un Term 5s '73	104⅞	104⅞
Clev Un Term 5½s '72	107½	107⅜
Colonial Oil 6s ct	112⅜	112¼
Colo & So 1st 4s '29	99⅞	99⅞
Col Pow 4½s	93	93
Colum Gas & Elec 5s '52	100	99⅝
Com Inv Trust 6s	97¾	97¾
Con Gas 5½s '45	106⅛	105¾
Container Corp 6s '46	98⅛	98⅛
Crown Cork & Seal 6s '42	100	99¾
Crown Wil Paper 6s	102	102
Cuba Cane Sug deb 8s '30	78	78
Cuba Nor Ry 5½s '42	92	92
Cuba RR 1st 5s '52	95	95
Cuba RR rfg 7½s '36	101	101
Cuban-Am Sug col 8s '31	102½	102½
Cuban Dom 7½s '44	97½	97
Cuyamel Fruit 6s '40	99½	99½
Dayton Mich 4½s	97¾	97¾
Den & R G Wn 1978	93	92½
Dery Dry Goods 7s '42	71	71
Des M & Ft Dodge 4s '35	33	33
Detroit Ed 5s '55	104½	104½
Detroit Ed rfg 5s '40	103¼	103
Dtroit Ed 5s '62	105⅛	105⅛
Dodge Bros sf 6s '40	103¼	103¼
Dold Packing 6s '42	87⅛	87½
Duke-Power 6s '66	105	104¾
Duquesne P & L 4½s '67	100¾	100½
Elk Horn Coal 6½s	90	90
Erie gen 4s '96	79⅝	79⅝
Erie 1st con 4s '96	85½	85½
Erie cv 4s B '53	82⅞	82⅞
Erie 5s '67	96½	96
Erie (Pa) col 4s '51	100⅝	100⅝
Fla East Coast 5s '74	78	78
Fen Mot Acc Corp 6s '37	103¼	103
Gen Pet 5s '40	101	101
Goodrich 1st 6½s '47	107⅝	107
Goodyear 5s '57	93⅞	93¼
Gotham S Hos 6s	100	100
Grand Tk Ry Can 6s '36	105⅞	105⅜
Grand Tk Ry Can 7s '40	112¼	112
Great Falls Pow 5s	105	104¾
Great Northern 5½s '52	109	109
Great Northern 5s '73	103	103
Great Northern 7s '36	112¼	111½
Gulf States Steel 5½s '42	97⅜	96¾
Havana Elec deb 5½s '51	63⅛	63⅛
Hocking Valley con 4½s '99	99	98¾
Houston Belt & Ter 5s '37	99	99
Hud & Man adj in 5s '57	83	82½
Hud & Man rfg 5s '57	96¼	95⅞
Humble Oil 5s '37	100¼	100¼
Humble Oil 5½s '32	101¾	101½
Ill Bell Tel rfg 5s '56	104½	104½
Ill Cen rfg 4s '55	92¼	92¼
Ill Cen 4s '53	87¾	87¾
Ill Cen 4¾s '66	100	100
Ill Cen C St L&NO 5s A	103	103
Ill Steel deb 4½s '40	98⅛	98⅛
Ind Steel 5s '52	104¾	104¾
Inter Match Corp 5s rcts '47	98½	98
Inter Rap Tran rfg 5s '66	78¾	78
Inter Rap Tran 5s sta '66	79	78½
Inter Rap Trans 6s '32	81¾	81½
Inter Rap Trans 7s '32	99¼	99
Int Cement Corp 5s '48	110⅞	110½
Int & Gt Nor 1st 6s '52	106	106
Int & Gt Nor adj 6s '52	94	94
Int Mer Mar col 6s '41	100¼	100¼
Int Paper rfg 5s A '47	96	95⅝
Int Paper 6s '55	95¾	95⅝
Int Rys Cen Am 6½s '47	97¼	96¾
Int Tel & Tel 4½s '52	94⅝	94¼
Int T & T cv 4½s wi	111⅞	110¾
Iowa Central 1st 5s '38	40⅝	40⅝
Kan City FtS&Mem 4s '36	92	92
Kan City So 1st 3s '50	75¼	75¼
Kan City So rfg 5s '50	98⅝	98⅝
Kan City Term 1st 4s '60	89⅝	89⅝
Kan Gas & Elec 6s '52	105½	105½
Kakser 5½s '47	135	133
Keith 6s '46	96	96
Kings Co Elev 4s '49	81	81
Kresge Foundation 6s '36	104	103¾
Lack Steel con 5s '50	102	102
Laclede Gas rfg 5s '34	101½	101½
Laclede Gas 5½s '53	105	105
Lake Shore & MS 3½s '97	81	81
Lake Shore & MS 4s	97⅞	97⅞
Loew's Inc 6s '41	117½	116
Loew's Inc 6s '41 ex-war	100⅛	100
Louis Gas & Elec rfg 5s '52	103⅝	103⅝
Louis Cin Lex 4½s	99½	99½
L&N rfg 4½s C 2003	98½	98½
L&N 7s '30	102	102
Manati Sug 1st 7½s '42	100⅛	99¾
Manhat Ry con 4s '90	67¾	67¾
Manhat Ry 2d 4s 2013	60½	60½
Manila El Ry 5se	98	98
Manila Sol 4s '39	74½	74½
McCrory 5½s '41	98½	98½
Met Edison rfg 5s '53	102⅝	102⅝
Mid Cont Pet 6½s '40	105	105
Midvale Steel col 5s '36	100	100
Mil El Ry & Lt 4½s '31	98¼	98¼
Min & StL 1st rfg 4s '49	22⅝	21
Min & StL con 5s '34	53	53
Min & StL con 5s ct	49⅞	49⅞
Min & StL 1st rfg 4s '49	22½	21
Min & StL con 5s '34	53⅝	53
Min & St L rfg 5s	17½	17½
Min St P & SSM 4s '38	89	89
Mo K & T 1st 4s '90	85	85
Mo K & T adj 5s A '67	103¾	103¾
Mo K & T pl 5s A '62	101¼	101
Mo Pac gen 4s '75	76	75¾
Mo Pac 5s F '77	98½	98
Mo Pac 5s G rcts	98½	98¼
Montana Power 5s A '43	104	103⅝
Montreal Tram col 5s '41	99¼	99⅛
Morris & Essex 3½s 20000	80½	80
Murray Body 6½s '34	101⅛	101⅛
Nash Chat & SL 4s '78	90½	89½
Nat Dairy Prod 5¼s '48	96	95⅜
Nat Rad 6½s '47	75½	75⅜
Nat Ry Co of Mex 4s '51	10¾	10¾
Nat Tube 5s '52	103⅝	103⅝
N E T & T 4½s B '61	100	100
N E T & T 5s '52	106	106
N O Pub Ser 5s A '52	96⅝	96⅝
N O Pub Ser 5s '55 B	96	95½
N O T & M 5s B '54	99	98⅞
N O T & M 5½s '54	104¼	104¼

	High	Low
NYC&HR gen 3½s '97	80½	80
NYC&HR deb 4s '34	97	96⅞
NYC&HR rfg & im 5s 2013	107	106⅝
NYC&HR cv 6s '35	107¼	106⅛
NYC&HR cv 6s '35	106½	106½
N Y Chi & St L deb 4s '31	97¾	97¾
N Y Chi & St L 5½s '74 A	106½	106¼
N Y Chi & St L 5½s B '75	107	107
N Y City 4s	98¼	98¼
N Y Dock 5s	89⅞	88
N Y Edison 5s '44	104⅜	103⅞
N Y Edison rfg 6½s 41	115	114⅞
NY GELH&P pur m 4s '49	93½	93½
NY GELH&P 5s '48	101⅛	107
NY NH&H nc 4½s	91	91
NY NH&H nc deb 4s '56	82⅝	82¾
NY NH&H nc deb 4s '47	91¼	91
NY NH&H nc deb 6s '48	119⅝	119⅜
NY Ry adj 5s ctf dp '42	102½	102½
NY Ry inc 6s '65	20¾	20¾
NY State Ry con 4½s '62	49	48⅝
NY Steam Corp 6s '47	107¼	107¼
NY Sus & W gen 5s '40	73	72½
NY Tel gen 4½s '39	100	100
NY Tel rfg 6s '41	106¾	106⅝
NY Trap Rock 6s '46	100	100
Niag Falls Pow 6s '32	102⅝	102⅝
Norf So rfg 5s A '61	89½	89½
Norf & W con 4s '96	91½	91½
Nor Am Cement 6½s '40	79¾	79½
Nor Am Ed 5s A '57	101½	101¼
Nor Am Ed 5½s	101½	101
Nor Pac gen 3s 2047	66¼	66⅛
Nor Pac pr ln 4s '97	89¼	89
Nor Pac 5s C 2047	104⅛	104⅛
Nor Pac 6s B 2047	113¼	113
Nor States Pow 6s B '41	106¼	106
Ohio Riv Ed 6s '48	106⅛	106¼
Old Ben Coal 6s '41	90¼	90¼
Ore Short Line rfg 4s '29	99¼	99
Ore Wash RR&N 4s '61	88½	88¼
Otis Steel 6s '41	102	101¾
Pac Gas & Elec 5s '42	101¾	101⅝
Pac of Mo 1st 4s '38	93½	93½
Pac P&Lt 1st rfg 5s '30	99½	99½
Pac Tel & Tel 1st 5s '37	102⅝	102⅝
Pan-Am Pet & T 6s '34	104¾	104⅝
Pan-Am Pet & T 6s '40	97⅛	97⅛
Pan-Am Pet & T 7s '30	104½	104½
Paramount Bwy 5½s '51	102¼	101¾
Paramount Fam Las 6s '47	100½	100½
Pathe Ex inc 7s '37	83	82¼
Penn Dixie C-C 6s '41	96	96
Penn O & D RR 4½s A '77	97	97
Penn R R gen 4½s '65	99¾	99½
Penn R R 5s '64	104	103½
Penn R R ge n5s '68	108⅛	108
Penn R R gold 6½s '36	110⅞	110⅜
Penn R R col 7s '30	103	102½
Penn R 4⅞s	98⅞	98⅝
Peo Gas L&C (Chi) 6s '48	112½	112½
Peo Gas L&C (Chi) 5s '47	105½	105½
Pere Marq 5s '56	103⅜	103⅜
Phillips Pet 5½s '39	93¾	93¾
Phil Elec Co 4½s '67	99⅞	99½
Phil Co 5s '67	100	99⅝
Phil & Read C & I 5s '73	90⅞	90¾
Pierce Arrow deb 8s '43	107	107
Pierce Oil deb 8s '31	106¾	106¾
Pillsbury Flour M 6s '43	105	105
Pitts C C&StL 5s A '70	108	107⅞
Pitts C C&StL 5s B '75	108	108
Poca Con Coll 5s	94½	94½
Port Art C & Dock 6s '53 A	104¾	104½
Portland Railway 5s '30	96½	96½
Port Ry Lt & P 6s '47	102	102
Postal Tel 5s	94⅝	93¾
Pressed Steel Car 5s '33	97½	97½
Pure Oil 5½s '37	100	100
Purity Baking 5s '48	94¾	94⅞
Read rfg 4½s '97	99⅝	99½
Remington Rand 5½s '47 war	94¾	94⅝
Remington Rand 5½s '47	94¾	94½
Rio G & W 1st 4s '39	91	91
Rio G & W col 4s '49	85¼	85¼
Rio G & W So 7s	109⅛	109¼
Rock I Ar&Lou 4½s '34	95¾	95⅞
St L I M & S gen 5s '31	100¼	100
St L I M & S 4s R&G dv '33	94⅛	94
St L S F 4s A '50	87	87
St L & S F 4½s '78	88½	88
St L & S F 5s B '50	101⅛	101
St L S W 1st 4s '89	87	87
St L S W con 4s '32	96	96
St L S W 1st 5s '52	101⅝	101⅝
St P & K C S L 4½s '41	94⅛	94⅛
St P & M Mont 4s	95	95
San Ant Pub Ser 6s '52	104⅝	104⅝
San Ant & Ar P 1st 4s '43	104⅝	104⅝
San Ant & Ar P 1st 4s '43	90	90
Schulco s f 6½s A '46	101⅝	101
Seabd A L adj 5s '49	45	44½
Seabd A L rfg 4s '59	74	74
Seabd A L con 6s '45	78½	78
Seabd All Fla Ry 6s A '35	71¼	69¾
Seabd All Fla Ry 6s B '35	70½	70½
Shell Pipe 5s '52	96⅝	96½
Shell Union 5s '47	98¾	98½
Shubert Theater 6s '42	90	90
Silesian Am Corp 7s '41	98½	98½
Sinclair Cn O col 6½s '38	101¾	101
Sincla riCn O col 7s '37	102⅞	102⅞
Sinclair Cru O 5½s '38	97¼	97
Sinclair Pipe L s f 5s '42	94	93⅞
Skelly Oil 5½s '39	93½	93½
So Bell Tel & Tel 5s '41	103⅛	103⅛
So Pacific cv 4s '29	99⅜	99⅜
So Pacific rfg 4s '55	92⅜	92
So Pac 4½s '68	97¼	97
So Ry gen 4s '56	87⅜	87½
So Ry con 5s '94	109⅛	109⅛
So Ry gen 6s '56	114¼	114¼
So Ry gen 6½s '56	122	121⅞
So Ry 4s M & O div '38	92	92
So'west Bell Tel rfg 5s '54	104⅛	104⅛
Stand Milling 5s '30	99⅞	99¾
Stand Oil NJ 5s '46	102⅞	102⅝
Stand Oil NY 4½s '51	97¾	97½
Stevens Hotel 6s '45	99	99
Sug Estat Oriente 7s '42	97	97
Tenn Elec Power 5s '47	106¾	106½
Texarkana 1st 5½s '50	103	103
Tex & Pac 5s B '77	101⅜	101⅜
Third Ave rfg 4s '60	64½	64
Third Ave 5s '37	96¼	96¼
Third Ave adj 5s '60	62½	62⅛
Tol Trac Lt & P 5½s '26	100	100
Truax Traer Coal 6½s	100	100
Trans Con Oil 6½s	103¼	102⅞
Union El L & P 5½s '54	103⅜	103⅜
Union Oil Cal 5s C '35	100¼	100¼
Union Oil Cal 6s '42	109	108⅝
Union Pac 1st 4s '47	94⅜	94⅜
Union Pacific rfg 4s 2008	89⅛	89⅛
Union Pacific 4½s '67	98⅝	98⅜
Uni States Exts 4½s	96¾	96¾
Uni Biscuit 6s '42	99½	99¼
U Ry St Louis 4s '34	83½	83
Utilities 5½s	93⅝	93⅝
U S Rubber 5s '47	92	91⅞
U S Rubber 7½s '30	101⅞	101⅝
Utah Lt & Trac 5s '44	96⅛	96⅛
Utah Pow & Lt 5s '44	100⅛	100⅛
U S Steel s f 5s '63	107½	107¼
Universal Pipe 6s '36	89¾	89¾
Vertientes Sugar 7s '42	97¼	97
Va Ry 5s '62	104½	104⅛
Va Ry & Power 5s '34	100¼	99½
Va & S'west con 5s '58	95	95
Wabash 4½s '78	90½	90½
Wabash 5s B '76	19⅞	19¾
Walworth 6s '45	90½	90½
Warner Sug rfg 7s '39	84	83½
West Pa Pow 5s E '63	104¾	104¾
West Pa Pow 5s G '56	104	103¾
West Shore 4s 2361	86¼	86
West Va C & C 6s '50	32	31⅛
Western Maryland 4s '52	81¼	80¾
Western Maryland 5½s '77	98½	98½
Western N Y & Pa 5s '37	101⅛	101⅛
Western Pac 5s A '46	99½	99
Western Un 5s '51	102⅞	102⅝
Westinghouse Elec 5s '46	104⅞	104⅜
Wheeling Steel 5½s '48	100¼	100¼
White Eagle Oil 5½s '37 x-w	103½	103½
White Sew Mach 6s '40	100¼	100¼
White Sew Mach 6s '36 x-w	97½	97½
Wickwire Spen 7s '35	46	46
Willys-Ov'd 1st 6½s '33	102½	101¾
Youngstown 5s	100¾	100¾
Wilson & Co 1st 6s '41	102½	102

	High	Low
Caldas (Rep) 7½s '46	99	98¾
Can (Dom) 4½s '36	99½	99½
Can (Dom) 5s '31	101	101
Can (Dom) 5½s '29	100⅛	100⅛
Cauca Valley 7½s '46	101⅝	101⅝
Chile (Bank) 6s '61 ct	92½	92½
Chile (Bank) ct 6½s '57	98	98
Chile (Bank) ct 6¾s '61	99½	99¼
Chile (Rep) 6s '60	93⅝	93½
Chile (Rep) 6s '61 Jan	94	93¾
Chile (Rep) 6s '61 Sept ct	93¾	93½
Chile (Rep) 6s '61	94	93¾
Chile (Rep) 7s '42	102	102
Christiania (City) 6s '54	101	101
Colombia Mtg Bk 7s '46	92¼	92
Colombia Mtg Bk 7s '47	95¼	95
Colombia (Rep) 6s '61 Jan	90⅝	90¼
Colombia (Rep) 6s '61 Oct	91	90¼
Coph'n (City) 4½s '53	87⅝	87½
Coph'n (City) 5s '52	96⅝	96½
Cordoba (City) 7s '37 ct	96	96
Costa Rica (Rep) 7s '51	95½	95½
Cuba (Rep) 5½s '53	102¾	102½
Cundinamarca (Rep) 6½s	88¾	88¾
Czech (Rep) 8s '51	110	109⅞
Czech (Rep) 8s B '52	110	109¾
Denmark (King) 6s '42	104¾	104¼
Deutsche Bk 6s ctfs '32	98	98
Denmark 4½s	89⅝	88⅞
Denmark 5½s	101	101
Dominic (Rep) sf 5½s '42	98½	98½
Dresden 7s '45	101	101
Dutch E I 6s '47	103⅝	103⅝
Dutch E I sf 6s '62	103⅝	103⅜
Est R R Co 7s '64	103⅜	103⅜
Fiat 7s '46 war	169	169
Fiat 7s '46 ex-war	100½	100
Finland (Rep) 6s '45	96⅝	96
Finland (Rep) 6½s '56	98⅞	98
Finland (Rep) 7s '50	100¼	100¼
Framerican Dev 7½s '42	105¼	105¼
French Nat SS 7s '49	102¼	102¼
French (Rep) 7s '49	107⅝	107¼
French (Rep) 7½s '41	112¼	112¼
Germ 7s '49	106⅝	106¼
Germ Cen Ag Bk 6s '38	90¾	90
Germ Cen Ag Bk 6s July '60	88	87¼
Germ Cen Ag Bk 6s Oct '60	87½	87
Germ Cen Ag Bk 7s '50	98	98
Germ El Pow 6½s '50	93⅛	93
Germ G E 6s '48	93¾	93½
Germ G E 6½s '40 ex-war	98¼	98¼
Good Hope &SW 7s '45	99⅛	99⅛
Greek 7s '64	97½	97⅛
Haiti (Rep) 6s '52	100½	100½
Hamburg 6s '46	95¾	95¾
Hungary (King) 7½s '44	101½	101
Hungary Mun 7½s '45	98¾	98½
Ilseder Steel 7s '46	103	103
Ilseder Steel 6s ct	87¼	87
Irish Free State 5s '60	95½	95½
Italian Credit Con 7s B '47	94	94
Italian Pub Util 7s '52	95	94¾
Italy (King) 7s '51	97¼	97
Jap (Con Pwr) 6½s '50	95½	95
Jap (Im Gov) 6½s '54	101¾	101⅜
Jap (Im Gov 2d 4s '31	92¼	92
Jap (Im Gov 6½s '54	101¾	101¼
Leipsiz (City) 1s rcts '47	100	100
Lyons (City) 6s '34	99	99
Lombard E 7s war	101	100½
Marseilles (City) 6s '34	99⅜	99
Mex 4s small A '04	21	21
Minas Gerdes 6½s	93¾	93⅝
Milan (City) 6½s '52	90	89¾
Montecatin 7s '37 x war	94	94
Montecatin 7s '37 war	123½	123½
Montevid (City) 7s '52	102¼	102¼
Netherl'ds (King) 6s '54	100¼	100
Netherl'ds (King) 6s '72	106	105¼
New So Wales 5s '57	94½	94¼
New So Wales 5s '58	94⅝	94½
No Ger Lloyd 6s	93	92½
Norway (King) 5s '63	97	97
Norway 5½s '65	101⅜	101¼
Norway (King) 6s '43	103	102¾
Norway (King) 6s '44	102⅞	102¾
Norway (King) 6s '52	103	103
Norwegian El 5½s '57 ct	92	91½
Nuresmberg 6s '52	89¾	89¾
Oriental Dev Ltd 6s '53	97⅝	97¼
Oriental Dev Ltd 6s '53 ct	89¼	89¼
Oslo Gas 5s	93	93
Panama (Rep) 5s	93¾	93½
Paris-Lyons Med 6s '58	99½	99¼
Paris-Lyons int ctf 7s '58	103⅝	103⅝
Paris-Orleans 5½s	96	95⅞
Pernambuco (State) 7s '47	95	95
Peru 6s '60 ct	89¾	89½
Peru 6s '60	89¾	89
Peru 7s '59	101¾	101⅜
Peru s f 7½s '56	107½	107½
Pirelli Co of Italy 7s '52	149	145
Poland 6s '40	82¼	82¼
Poland 7s '47	88¼	88
Poland 8s '50	99	98⅞
Porto Ale (City) 7½s '66	101¼	101
Porto Ale (City) 8s '61	105½	105¼
Prague (City) 7½s '52	105⅝	105⅜
Quensl'd (State) 7s '41	109	109
Rhine Main 7s '50	100	100
Rhine Westphalia 6s '52	93	92⅝
Rhine Westphalia 6s '53	95½	95
Rhinelbe 7s '46 exlwar	97⅜	97
Rio de Jan (City) 6½s '53	95⅜	94⅝
Rio de Jan (City) 8s '46	106¼	106
Rio G do Sul (State) 7s '66	98⅛	97½
Rio G do Sul (State) 8s '46	105⅜	105¾
Rio G do Sul (State) 6s	91½	91
Rome (City) 6½s '52	91⅜	91
Rotterdam (City) 6s '64	104½	104¼
Sante Fe (Prov) 7s '42	96⅝	96⅜
Sao Paulo (State) 6s	92¼	92¼
Sao Paulo (City) 6½s '57	97	97
Sao Paulo (Bz) 7s '56	101¼	101⅛
Sao Paulo (City) 8s '52	113	113
Sao Paulo (State) 8s '36	106	106
Sao Paulo (State) 8s '50	106	106
Saxon Pub Wks 7s '45	99⅜	99¼
Saxon State 7s	99	99
Seine (Dept) 7s '42	106¼	106⅛
Serbs Cro & Slov 8s '62	95	94½
Serbs Cro & Slov 7s	81¼	80¾
Shinyetsu El Pw 6½s '52	91½	91½
Siemens 6½s ct '61 pd	105⅝	105½
Siemens 6½s ct '51	107⅝	107⅜
Soissons (City) 6s '36	98⅜	98⅜
Sweden (King) 6s '39	102⅝	102⅝
Swiss Confed 8s '40	110½	110⅜
Swiss Gov 5½s '46	103¼	103
Styria (Prov) 7s '46	92¼	92¼
Toho El Pow 6s rcts '29	99⅛	99⅛
Tokyo (City) 5s '52	77⅞	77⅞
Tokyo (City) 5½s '61	89⅜	89½
Tokyo El Lt 6s '53 rcts	89¾	89⅛
Tolima (Dept) 7s '47	90	90
Tyrol 7½s '55	98¾	98¾
Ujigawa El Pow 1st 7s '45	99½	99½
U K Gt Br & I 5½s '29	118¼	118
U K Gt Br & I 5½s '37	104	103⅝
U S S Copenhag 6s '37	97⅞	97⅞
Uni Stl W Burback 7s '51	103	103
Uni Stl W 6½s A '51 war	90	90
Uruguay (Rep) 6s '60	99⅛	98½
Veniz 7s	91½	91½
Warsaw 7s	84½	84½
Westphalia El 6s	89¾	89
Wuerttemberg Elec 7s '56	96⅛	95¾
Vienna 6s	87½	87⅝

LIBERTY BONDS

Quoted in thirty-seconds of a point. For example, read 102.8 as 102 8-32.

	Open	High	Low	Last Jan 15	Last Jan 14
1st 4¼s '47	100.3	100.3	100.3	100.3	100.2
4th 4¼s '38	100.4	100.6	100.4	100.4	100.6
US 3⅜s '56	103.	103.	103.	103.	—
US 4s '54	105.30	105.30	105.30	105.30	106.
US 4¼s '53	110.29	110.29	110.29	110.29	111.2

FOREIGN BONDS

	High	Low
Agr Mtg Bk 6s '47	88½	88½
Akershus 5s rcts	88¾	88¾
Alpine Mon Stl 7s '55	94½	94½
Antioquia 1st 7s '57	92½	92½
Antioquia 3d 7s '57	92⅞	92⅞
Antioquia 7s A '45	96½	96
Antioquia 7s B '45	94	94
Antioquia 7s C '45	93	93⅞
Argentine Gov 5s '45	91¼	91¼
Argentine 5½s '62	96	95⅜
Argentine Gov 6s June '59	100½	100¼
Argentine Gov 6s Oct '59	100½	100¼
Argeneine Gov 6s May '60	100¼	100
Argeneine Gov 6s Sept '60	100⅜	100
Argentine Gov 6s Feb '61	100¾	100¼
Argentine Gov 6s May '61	100⅛	100
Argentine Gov 6s '57 A	100½	100½
Argentine Gov 6s '58 B	100⅜	100⅜
Australia 4½s '57	88	88
Australia 5s '55	96¾	96¼
Austria (Gov) 7s '43	103	102½
Austria (Upper) 6½s rcts	87	87
Bavaria (State) 6½s '45	96	96
Batavian Pet 4½s '42	93½	93¼
Belgium (King 6s '55	100⅜	100⅛
Belgium (King) 6½s '49	106	105¾
Belgium (King) 7s '55	108	107⅞
Belgium (King 7s '56	106	105⅞
Belgium (King) 7½s '45	115⅛	115⅛
Belgium (King) 8s '41	109½	109¼
Bergen (City) 8s '45	111¾	111½
Berlin 6s	91½	91
Berlin 6½s '50	98½	98
Berlin Elec (Rep) 6½s '56	94½	92¼
Berlin Elev (City) 6½s '51	92¼	92¼
Bolivia (Rep) 7s '58	95	94½
Bolivia (Rep) 8s '47	103⅝	103⅜
Bordeaux (City) 6s '34	99	99
Brazil (Cen El Ry) 7s '52	100¼	100¼
Brazil 6½s '26	95½	94⅝
Brazil 6½s '27	95	94¾
Brazil (US) 8s '41	108⅛	108⅛
Bremen 7s '35	102¼	102¼
Budapest (City) 6s '62	83	82¾
Buenos Aires 6s Apr 60	99¼	99½
Buenos Aires 6s '61	93¾	93½
Buenos Aires 6½s '55	101⅛	101⅛
Bulgaria 7½s rcts	97	97

DIVIDENDS

Charis Corporation declared an extra dividend of 25 cents and the regular quarterly dividend of 50 cents, both payable Feb. 1 to stock of record Jan. 21.

The Chicago, Wilmington & Franklin Coal Company declared the regular quarterly preferred dividend of $1.50 a share, payable Feb. 1 to stock of record Jan. 18.

United Electric Coal Companies declared the regular quarterly dividend of 75 cents on the common, payable March 1 to stock of record Feb. 15, $2 on the first preferred and $1.75 on the general preferred, payable March 1 to stock of record Feb. 18.

Merrimack Manufacturing Company declared the regular quarterly dividend of $3 on the common and the regular semiannual dividend of $2.50 a share on the preferred, both payable March 1 to stock of record Jan. 14.

CALIFORNIA OIL SITUATION

SAN FRANCISCO, Jan. 15—A cut in prices of heavy crude and fuel oils soon is not improbable. The gasoline price war is general along the Pacific coast. While retail price-cutting is attributed to independents, it is stated that large distributors have offered some three-year contracts to big users 7 cents under the market.

DRY DOCK CONSOLIDATION

NEW YORK, Jan. 15—United Dry Docks, Inc., a New York corporation, has been formed to consolidate six dry-dock companies in New York harbor. E. P. Morse is president of the new corporation. Properties acquired own more than 50 per cent of dry-dock capacity of the port of New York and are valued at more than $20,000,000.

CORN PRODUCTS REFINING CO.

Annual report for 1928 will show Corn Products to have earned about $4.50 a share on the 2,530,000 common shares after the preferred dividend, compared with $4.01 a common share in 1927. The outlook for 1929 is for continued growth in earnings.

PUBLIC SERVICE DEBENTURES

Public offering of an issue of $6,000,000 Public Service Subsidiary Corporation 5½ per cent debentures, series A, is being made today by Halsey, Stuart & Co. The debentures, which mature Jan. 1, 1949, are offered at 97 and interest, yielding over 5.75 per cent.

CANADIAN CAR LOADINGS

Car loadings on Canadian railroads for the week ended Jan. 5 were 46,192, compared with 44,242 in the preceding week and 51,760 in the like week last year. Receipts from connections were 31,007, compared with 31,562 and 29,122, respectively.

BIG INCREASE IN FRANCE'S TRADE WITH GERMANY

British Report Shows Move to Co-ordinate Methods in Two Countries

SPECIAL FROM MONITOR BUREAU

PARIS—Germany has been directly and indirectly a great factor in building the present prosperity of France, according to a report on economic conditions in France in 1928 by J. R. Cahill, commercial counsellor of the British Embassy.

France, risen from the battlefields, accepted much German assistance in rebuilding its house. As a result of the war, she has been led into a system of highly profitable Franco-German enterprises. With the sequestration of numerous great modern iron and steel works formerly in German hands, there accrued controlling interests in certain powerful Luxemburg works (one of them yields about 2,000,000 tons of steel a year). Germany was not slow in sizing up the situation, but the occupation of the Ruhr forced a slow pace in negotiations. But in October, 1924, parleys commenced leading to the Franco-German Commercial Treaty of 1927.

New Epoch in Customs History

Since 1919 France had abandoned most-favored-nation treatment for reciprocity. But the Germans insisted that France revert to the most-favored-nation system. This was done, and what is described as a new epoch in French customs history was entered upon. To accomplish the change a wholesale revision of the classification of commodities and of the tariffs applicable to them was undertaken. As Germany built up combines and concentrated her industries, so did France. This had been an outstanding feature of French after-war recovery.

In numerous industries, especially in the heavy branches, concentration has now reached a point where control is in the hands of one, two, or three bodies. Chemicals, coal and ore mining, leading engineering trades, electricity production, cement, standard book production, shipping, railways, and even hotel management are mentioned as instances where direction has been whittled down to one or a few boards.

Even the big industrial groups are becoming more and more closely inter-related. With this movement has gone the creation of international cartels in which France has shared actively. The international cartel interests, however, of France fan out chiefly from a center of Franco-German industrial collaboration. This latter started in a natural way when so many German undertakings passed into French hands after the war. This led to joint action by some of the groups.

Increase in Trade with Germany

The result on trade between France and Germany of these inter-economic relationships is demonstrated by the fact that while trade with Great Britain and the United States during the past four years has been marked by a definite decrease with the former, and only a slight increase with the latter, in the case of Germany there has been a great expansion. German purchases from France jumped from 3,595,000,000 francs in 1924 to 6,475,000,000 francs in 1927 and German sales to France in the same period advanced from 2,051,000,000 francs to 4,213,000,000 francs.

Today, according to the report, the industries of France merit comparison in operation methods with those anywhere in the world. New railways have been opened, ports enlarged, innumerable hotels built. Electricity is common in most communes now.

Shipbuilding Busy and Yards Are Reopening

Some British Firms Said to Have Orders Enough to Last Till Summer

SPECIAL FROM MONITOR BUREAU

LONDON—Some weeks ago there were evidences that owners of general cargo tonnage were sounding the shipbuilding industry closely for new tonnage in view of the improvement which was setting in in the freight market. Several established shipping concerns promptly placed contracts for a series of ships for early delivery and in the subsequent weeks this reawakening of the shipbuilding business has become more marked, so that shipyards are reopening and in many cases the builders have enough work to keep them occupied well into the summer.

It is characteristic of the improvement, which has now developed into a small shipbuilding boom, that a large number of owners are taking advantage of the cheapness of ships today by anticipating their requirements for some time ahead, and this is one of the reasons why such concerns as the Court Line, Nitrate Producers Steamship Company, Silver Line, J. & J. Denholm, Glen & Co., Albyn Line, and many others figure in the rapidly extending list of owners who have ordered new ships. Not for several years, not even during the small boom which followed the cessation of the coal strike, have there been so many contracts placed in so short a time.

There is a feeling, based on fairly close examination of all the known circumstances, that in the near future the cost of ships will rise. Already one section of the workers is pressing for an increase of wages and, notwithstanding the benefits which are likely to accrue to the heavy industries as a result of the derating proposals of the Government, the cost of shipbuilding raw materials, and of steel in particular, is likely to rise. In addition, shipbuilders will probably want to see some profit on subsequent contracts.

These factors have no doubt contributed to the reasons which have prompted owners to advance their shipbuilding programs, with the result that the shipyards are once more getting really busy again and the outlook for the workers during the winter is very much better than it was six weeks ago.

Match Company Lends $22,000,000 to Jugoslavia

Swedes Get Sole Right to Make and Sell Matches in That Country

SPECIAL TO THE CHRISTIAN SCIENCE MONITOR

BELGRADE—The Government of Jugoslavia has just made arrangements to receive a loan of $22,000,000 from the Svenska Tandsticks Aktebolaget, commonly known as Stab. This is one of the largest match companies in the world and one of the richest and solidest industrial concerns in Europe.

Stab's latest contract is the one which it has just concluded with the Belgrade Government. By this contract the Swedish Match Company obtains the exclusive right to manufacture and sell matches in Jugoslavia, while the State Monopoly of Jugoslavia secures a loan of $22,000,000 to be issued in bonds at 6¼ per cent, with the price issue at 90 per cent, all of which Stab buys. The period of the loan is 30 years, but it may be liquidated after 10 years. Stab's exclusive right to make and sell matches in Jugoslavia will last 30 years, even though the loan is paid back earlier.

The state is to receive 66 paras—hundredths of a dinar—for every box and the manufacturers 21 paras, which represents the cost of production. The rest of the dinar, 13 paras, is at the disposal of Stab. In times of crisis the number of matches in each box may be decreased. Under normal conditions there may be a price revision every two years, but not without the approval of the Jugoslav State Monopoly.

All disputes which may arise between the State Monopoly and Stab are to be settled by an arbitration commission composed of three members, one chosen by the monopoly, a second by Stab and a third by those two, and if an agreement cannot be reached the matter must go to the president of the International Hague Tribunal.

The money from the loan will be at the disposal of the State Monopoly and will be used as capital with which to extend the activities of that organization.

Heretofore the manufacture and sale of matches have been controlled by the State Monopoly, so that the system remains the same, except that a rich and expert foreign company will manage the enterprise from now on instead of the State.

WARNER BROS. PICTURES

Warner Bros. Pictures, Inc., has bought a substantial interest in M. Witmark & Sons of New York, music publishers.

IN THE SHIP LANES

THE Italian merchant marine, that phenomenon of recent years, has added another palatial vessel to its rapidly growing fleet of transatlantic ships with the recent arrival at New York of the motor vessel Vulcania of the Cosulich Line. The newest ship of Italy's marine is a sister ship of the Saturnia, brought out last year, and is of 24,000 gross tons, 632 feet in length, 80 feet beam and is equipped with Diesel engines capable of developing 33,000 horsepower. Her speed is 22 knots. Her exterior design resembles a pyramid, rising to the large, single funnel of oval shape.



CAPT. ARISTIDE COSULICH, K. C. I.
Commodore of the Cosulich Line Fleet of 50 Vessels, Who Is to Guide the Destinies of the New Motor Vessel Vulcania.

The typical splendor of the Italian type of interior decoration is evidenced in the Vulcania, her main lounge being elaborately supplied with ornamental work, with murals in the walls of the dome. She is ideally suited for cruising in tropical waters.

An outdoor and a Pompeiian indoor swimming pool, two sports decks and a telephone in every first class room are features of the new vessel, the only other ships so completely equipped with telephones being the Leviathan of the United States Lines, the Vulcania's sister ship Saturnia, and the Malolo, of the Matson Line. The 'phones will ultimately be hooked up with the radio to permit ship-to-shore conversations.

A novel feature of the room design includes an outlet for all "inside" rooms by means of a crevice approximately 15 feet long leading from, and being a part of, each inside room and affording a porthole to such accommodations.

Italian Marine

Within the last two or three years the following new ships of Italian lines have reached New York: Motorships Vulcania, and Saturnia, each 24,000 tons, Cosulich; Roma, 32,000 tons and motorship Augustus, 32,649 tons, Navigazione Generale Italiana; Conte Grande, 26,000 tons and Conte Biancamano, 25,416 tons, Lloyd Sabaudo. No other nation, with the possible exception of Germany, has added so many new transatlantic ships in recent years.

Bridges Over Navigable Streams

Proposals to throw bridges over navigable waters continue to accumulate and between the promoters of these structures and the defenseless navigators who will find their harbors and rivers congested by the supports for massive bridges stand only the United States Army Board of Engineers and J. Hampton Moore, president of the Atlantic Deeper Waterways Association.

At various hearings before boards of army engineers, whose approval must be secured before new bridges can be built, Mr. Moore frequently appears to point out the obstacles to navigation by the addition of these innumerable bridges, many of which, as he observes, are built by private promoters for speculative purposes.

Even over the busiest waterways such structures are projected, Mr. Moore having recently cited five of these, including that over the Narrows, at the mouth of New York Bay; from Oakland to San Francisco; across the Mississippi at New Orleans; at Tampa, Fla., and across the Delaware River at Wilmington, Del. The rights of shippers and navigators are contrasted with those of motorists using the bridges who drive largely for pleasure.

Grace Line

A large number of queries concerning South American travel have been reported by the Grace Line as a result of Mr. Hoover's trip to the Southern Hemisphere, these being in line with similar inquiries made when Colonel Lindbergh made his flight through Central America. The Grace Line is in a singularly fortunate position, for, with south American business evidently due for a sudden expansion, it has two excellent new motor vessels, the Santa Maria and Santa Barbara, and a turbo-electric drive ship, now under construction, for this trade.

Intercoastal Competition

Faced by the constantly increasing competitive strength of intercoastal water lines the Southern Pacific Company has taken a bold step in petitioning the Interstate Commerce Commission to permit it to violate the Fourth Section of the Commerce Act and establish port-to-port rates between New York, Baltimore and Pacific coast cities on a basis of the through intercoastal water rate plus 10 per cent, the rates to apply via its Morgan Line to New Orleans, thence rail. The case is a revival of the protracted "long and short haul" case, in which the railroads were finally denied permission to meet the competition of water lines by charging lower rates at coastal than at interior points. The present petition is narrowed, however, to include only port-to-port business as distinguished from the former case covering blanket application of Fourth Section relief throughout a large area.

California to Europe

The volume of freight business and the evidence of a passenger trade as well between California and European ports have led to a recommendation that the United States Shipping Board establish a line to compete with foreign companies.

The acumen of the Hamburg-American Line has been rewarded and its half dozen motor ships either in service or projected are in line for a substantial volume of business, traffic men aver. A member of the United States Shipping Board recently recommended that a fleet, preferably that of the American Merchant Line of five eight-day transatlantic vessels, be transferred to this route, which has attracted the attention of German as well as British, French and Scandinavian shipping interests.

Steamship Schedules

A new steamship for the New England Steamship Lines for service in Long Island Sound has been ordered from Bethlehem Shipbuilding Corporation. She will be 250 feet in length, a twin-screw steamer of steel construction, with all rooms outside.

James Boring's Travel Service, Inc. has chartered the steamship Calgaric of the White Star Line for the fourth season to engage in a cruise along the arctic circle to Iceland, Scandinavia, Norwegian fjords, Scotland and the Continent, leaving New York June 26. He is sending the same ship to the Mediterranean in February.

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MERCHANDISE DISTRIBUTION

Beacon Oil Company
Incorporated
DIVIDEND ON PREFERRED SHARES

A quarterly dividend of $1.875 has been declared upon the preferred shares of the Beacon Oil Company, payable on February 15, 1929, at the office of Kidder, Peabody & Co., Transfer Agents, to stockholders of record as of February 1, 1929. E. N. WRIGHTINGTON, Treasurer.

Intercollegiate, Club and Professional Athletic News of the World

RAWLINS WINS FROM RICHARDS

His Chief Opponents to Squash Racquets Title All Win by Default

Special from Monitor Bureau

NEW YORK — The second regular round was completed Monday in the seventh annual Metropolitan squash racquets championships at University Club, completing all the rounds in which byes were held, and now the 16 survivors, many of whom have advanced without touching a racquet, will begin to encounter real opposition in their hunt for the honor held during the last year by Herbert N. Rawlins Jr., Racquet and Tennis Club, who is also United States titleholder.

Rawlins saw action Monday for the first time, when he encountered Junius A. Richards, Rockaway Hunting Club, and won in straight games, though Richards managed to force extra points in the third. The score was 15—5, 15—10, 18—17.

His three chief opponents, however, George D. Debevoise, J. L. Pool 2d and L. S. Haskins Jr., all of the Harvard Club, won by default, this being the third to advance Pool, who has now received three in a row. Of the other seeded players, R. F. DeVoe of the home club, was also advanced without playing, while P. K. Keenan, Montclair Athletic Club, was carried to five games by J. D. DuBois, Harvard Club, who is still in the Class B ranks, before he won by a score of 15—9, 13—18, 15—12, 12—15, 15—9.

Perry R. Pease, also of the Harvard Club, advanced, requiring four games to dispose of J. W. Allen, Harvard Club, 13—15, 15—9, 15—8, 15—12. He will encounter Darwin P. Kingsley, University Club, as the latter scored a fine victory over S. H. Philbin, another University Club star, in the hardest fought and best match of the day, by a score of 15—12, 16—18, 15—13, 15—12. The summary:

METROPOLITAN SQUASH RACQUETS ASSOCIATION—First Round

Elliott Pratt, Nassau County Club, defeated F. T. Plympton, University Club, 18—13, 15—11, 17—15.

Second Round

L. I. Grinnell, University Club, won from Henry Hutchins, Harvard Club, by default.

Elliott Pratt, Nassau, defeated E. S. Swift, Montclair A. C., 15—11, 15—10, 15—13.

W. E. Coyle, Montclair A. C., defeated E. M. Jonklaas, Rockaway Hunting Club, 15—12, 15—9, 15—12.

P. K. Keenan, Montclair A. C., defeated J. D. DuBois, Harvard Club, 15—9, 13—18, 15—12, 12—15, 15—9.

H. N. Rawlins Jr., Racquet and Tennis Club, defeated J. A. Richards, Rockaway Hunting Club, 15—5, 15—10, 18—17.

L. S. Haskins Jr., Harvard Club, won from George Pynchon, Germantown Cricket Club, by default.

J. L. Pool 2d, Harvard Club, won from C. T. Emmett, Racquet & Tennis Club, by default.

D. P. Kingsley Jr., University Club, defeated S. H. Philbin Jr., University Club, 15—12, 16—18, 15—13, 15—12.

P. R. Pease, Harvard Club, defeated J. W. Allen, Harvard Club, 13—15, 15—9, 15—8, 15—12.

P. E. Cummings, Harvard Club, won from H. I. Caesar, Racquet and Tennis Club, by default.

R. F. Devoe, University Club, won from L. S. McVickar, Racquet and Tennis Club, by default.

Charles Rees, Rockaway Hunting Club, defeated S. W. Derham, Racquet and Tennis Club, 18—16, 11—15, 15—12, 14—16, 15—8.

G. D. DeBevoise, Harvard Club, won from E. E. Beddall, Rockaway Hunting Club, by default.

YALE'S VICTORY PUTS IT IN SECOND PLACE

Special to The Christian Science Monitor

NEW HAVEN, Conn.—Yale University took possession of second place in the Eastern Intercollegiate Basketball League Monday, when its quintet surprised the Dartmouth College team by taking a 25-to-24 victory. The outcome was in doubt until the last second of play with the Elis winning on a field goal thrown by J. L. Townsend '30, just 30 seconds before the final whistle blew. Thus ended one of the most spectacular games ever played on the Yale court.

Yale's leading scorer was E. L. Nassau '30, with nine points, who incidentally was the game's highest point maker. F. W. Schmidt '29, Dartmouth center, was next with eight points, made on four field goals. The Yale team showed a fine offensive, all of the seven men entered in the game figuring in the scoring. Well distributed scoring strength has been Yale's main forte this season, with every Yale player in all three games scoring at least one foul goal. Accuracy in tossing foul goals aided Yale Monday, with 11 points coming in this way to only four for Dartmouth. The Green tossed in 10 field goals to Yale's seven.

Dartmouth held the lead by one point one minute before the end, and led most of the way by a slight margin. At the half, the Elis managed to hold a temporary one-point lead, 14 to 13. Townsend was sent in as substitute for Capt. P. K. Fodder of Yale, and it was his only field goal that gave Yale its margin. It was the Elis' fifth triumph in league circles in their last 35 games, while it marked the second defeat of the Green team in the league this season. The summary:

YALE — DARTMOUTH
Fodder, Townsend, lf..rg, Schmidt, Morse
Nassau, rf..........lg, May, Neal
Linehan, c..........c, Schmidt, Lewin
Beyer, lg..........rf, Swarthout
Nanry, Horwitz, rg...lf, Cheney, Vossler

Score—Yale University 25, Dartmouth College 24. Goals from field—Nassau 2, Linehan 2, Townsend, Beyer, Horwitz for Yale; Schmidt 4, Vossler 2, Lewin, Morse, Swarthout, Cheney for Dartmouth. Goals from foul—Nassau 5, Fodder 2, Beyer 2, Linehan, Nanry for Yale; Swarthout 3, Morse for Dartmouth. Referee—Walsh. Time—Two 20m. periods.

ARMOUR'S PLAY POOR ON LAST FEW HOLES

LOS ANGELES (AP)—Final echoes of the Los Angeles open golf tourney reverberating through Santa Monica canyon Monday, when a dozen golfers finished rounds they had failed to complete Sunday because of darkness, saw T. D. Armour falter badly.

The Washington (D. C.) professional who had paced the field with phenomenal play through the first two rounds only to falter in the final 36-hole drive, in the brief play Monday, almost forced himself out of second place. He had only one hole to play, having gained Sunday night on the seventeenth. His play on that last hole was unfortunate for him as he took seven strokes, three over par, to hole out. However, he managed to take second place with a 72-hole aggregate of 291, six more than MacDonald Smith, the winner.

Armour beat out L. H. Diegel of the Agua Caliente Country Club in Mexico, and national professional champion, by a single stroke. Diegel's aggregate of 292 gave him third place. Horton Smith and George von Elm, amateur from Detroit, tied at 294.

Amateur Club Wins When Its Challenge Cup Play Opens

Critics Expect Corinthians to Do Well—Association Football Trophy Offered 55 Years Ago—Schoolboys Form Tennis Association

By Wireless from Monitor Bureau

LONDON—The possibility of the English Football Association Challenge Cup being won by an amateur club for the first time since professionalism was legalized in 1885 is being keenly discussed this week in view of the famous Corinthians' smashing win over Norwich City, 5 goals to 0, in the third round of this season's competition Saturday.

There are some 30,000 amateur clubs in the country, but the standard of play attained by them—possibly one should say limited opportunity they have for sustained training—is so thoroughly exceeded by the general professional level that when 500 or 600 entries for the cup tournament were reduced to Saturday's 64, there was not an unpaid side among them except the Corinthians, who, in recognition of their high traditions and close association with the game's development in the past, are privileged to stand out until the second round proper is completed.

Play Man Shy

Usually they offer strenuous opposition and fail to last the pace and pass out of the picture, but Saturday they delighted even Norwich's most ardent supporters by a dazzling display of typically amateur soccer, rendered all the more creditable by the fact they had a player out of action nearly the whole game.

For only the second time since they departed from the long-established precedent by competing for the cup, their defense came through the opening match without conceding a goal, while the forward line, though reduced to four men, kept the professionals continuously "on their toes." Norwich City, whose usual sphere of operation is in the southern section of the third division of the English League, can hardly be compared with Blackburn Rovers, Aston Villa and other great first division sides still left in the competition, but cup ties are great levelers and critics are disposed to think the Corinthians, if they can reproduce Saturday's skill, may even carry the banner of amateurism nearer the final at Wembley than ever before.

Fifty-five years ago managers of a few clubs conferred together and subscribed to purchase a silver trophy with a view of encouraging the growth of soccer. They would certainly feel that they had succeeded in this intention if they could have watched Saturday's scenes of enthusiasm attendant upon the visit of 750,000 yelling "fans" to 32 cup ties in various parts of the country. The greatest possible surprise in this kind of football would be the absence of surprise, which was not lacking on Saturday.

Mansfield Town Wins

The most remarkable happening was Mansfield Town's victory over Wolverhampton Wanderers, 1 to 0. Mansfield and Corinthians are the only clubs in the competition that do not figure in the English league and both have lived to fight another day along with Sheffield Wednesday, leader of the first division of the football league; Middlesborough, leader of the second division; Stockport County and Plymouth Argyle, top teams in the northern and southern sections of the third division, respectively, Blackburn Rovers, present cup holders; Aston Villa Club with a grand record both in cup and league competitions, Huddersfield Town, which made the highest score of the day—seven goals—against Chesterfield, West Ham United, Watford, Clapton Orient, Millwall, Crystal Palace, Chelsea, Arsenal—the last named seven are all London clubs—and many others.

Of the 21 previous cup winners engaged on Saturday 11 were knocked out, including Tottenham Hotspur. The "Spurs" are experiencing lean days just now—Preston North End, "proud Preston" of former years, Newcastle United, Notts County, Nottingham Forest, Manchester City, Cardiff City, and Barnesley.

For many years it has been recognized that one of the reasons why England lost world supremacy in lawn tennis has been because the headmasters in big schools have refused to admit the game into the regular sports curriculum. In most cases the boys definitely were not allowed to play it instead of cricket and football; certainly were not encouraged to play it as well. So, uncoached and without much practice, they could not give serious attention to the game until they left school, by which time other nationals of the same age were far in front of them.

Tennis Officers Chosen

Now, however, there is hope that things may change since last week saw the formation of the Public Schools Old Boys' Lawn Tennis Association, whereof headmasters of 10 schools, including Harrow, Westminster, Charter House and Repton, expressed willingness to become vice-presidents. The stated objects of the new association is to assist in the development of the game at schools, and generally encourage its continuance among the old boys by the promotion of tournaments and matches. The president is Lord D'Abernon, president of the English Lawn Tennis Association, honorary secretary is R. B. Sterry, honorary treasurer is S. A. Sabelli, secretary of the L. T. A. and the committeemen are, among others, L. A. Godfree, H. S. Scrivener, R. J. McNair, S. F. Hepburn and J. T. Baines.

The increasing extent whereto sport plays a part in women's social life is reflected in the sumptuous appointments of the new headquarters of the Ladies' Carlton Club, stronghold of feminine supporters of the Conservative Party, Grosvenor Place, London. In addition to increased living accommodation, there is to be a big swimming bath, squash racquets courts and a large ballroom.

Ice skating, a pastime greatly neglected in Britain in the past years owing to a lack of facilities, will attract society to a gay carnival at the London Ice Club, March 7. It is understood that Princess Mary has promised to attend and possibly other members of the Royal Family to see exhibition figure skating and dancing in a newly redecorated rink on Grosvenor Road. The glittering surface is surrounded by gay mural adornments and varied lighting effects described as just right for the "spirit of the carnival."

Cross-Country Running

Southern England was practically littered with cross-country runners on Saturday, for on the same afternoon the county associations of Middlesex, Essex, Surrey, Sussex, Herefordshire, Bedfordshire, Buckinghamshire and Kent, decided individual team championships. There were not many surprises. Possibly the most remarkable performance was H. W. Payne's eighth successful attempt at the Essex title. This veteran, it may be recalled, holds the English Marathon championship. South London Harriers, champions of southern England, made an indifferent start in the competitive period of the season by losing at Surrey the championship, which they held jointly with Surrey Athletic Club, to Belgrave Harriers. Blackheath Harriers, oldest nonvarsity paper-chasing club, provided both the individual winner and the victorious team in the Kent race.

The scope of Madame Tussaud's world-renowned exhibition of waxworks was widened still further by the addition of an effigy of W. R. Dean, high scoring center forward of the Everton Association Football team, routed for the F. A. Cup by Chelsea on Saturday. A small sports section of the historic collection provides somewhat unconvincing likenesses. Mlle. Suzanne Lenglen is there and also W. T. Tilden 2d, Hendren, Dr. W. G. Grace and several others, but lawn tennis players hardly seem to do justice to the subjects. Possibly what has not "been captured is the essential alertness radiated by sports champions in action."

British Ryder Golf Team Is Selected

By the Associated Press

London

THE British Ryder Cup golf team for matches with professional golfers from the United States at Leeds in April was named Monday with George Duncan as captain. Others nominated are Percy Alliss, Stewart Burns Aubrey Boomer, A. W. E. Compston, T. H. Cotton, Abe Mitchell, Fred Robson, Charles Whitcombe, Ernest Whitcombe.

The United States team to defend the cup, held as a result of a 1927 victory at Worcester, Mass., has not been named, but it will be captained by Walter C. Hagen and will include as a matter of course, Leonard H. Diegel, the P. G. A. champion, and J. C Farrell, the open titleholder of the United States.

Duncan, who will lead the British, played on the last British Ryder Cup team as a private in the ranks. Abe Mitchell was named as captain but was prevented from making the trip to the United States and the captaincy fell to the veteran Edward Ray. Hagen captained the United States team in the last international matches.

New Plan to Pick Football Champion

Former Pennsylvania Coach Would Divide Country Into Four Divisions

WASHINGTON (AP)—A plan to select an actual national football champion each year has been proposed by John W. Heisman, former Georgia School of Technology and University of Pennsylvania coach, in a letter to H. C. Byrd, football mentor at the University of Maryland.

Heisman proposed dividing the country into four sections and from each choosing the best team to meet teams of other sections in elimination contests that would end two Saturdays after the regular playing season had closed.

His first division would be composed of states east of Ohio and north of the Mason-Dixon line. In the second division would be all teams below the Mason-Dixon line and east of the Mississippi River. The third division would include the midwest states from Pennsylvania to the Rocky Mountains and the southern states lying west of the Mississippi River. In his final groups would be the far western teams in states west of the Rocky Mountains.

Mr. Heisman said these seemed to be natural boundaries for the various divisions and offered about an equal number of colleges in each and about an equal number of institutions playing high-grade football, giving all an approximate parity in strength.

With the geographical lines set, he would establish in each division a committee of sports writers that would function on the same plan as southern writers who name the Southern Conference winner of the Pickens Cup. At the end of each season these groups would by ballot select the outstanding team of their division to enter the elimination. Mr. Heisman then would have the southeastern and eastern champions meet on the Saturday after the end of the season, with the midwestern and western champions meeting on the same day. The following Saturday the survivors would battle for national supremacy.

Heisman pointed out that all teams would have to agree to abandon other post-season games to make the plan successful and declares that whereas critics might say that the season would be too prolonged, it would be for only four teams out of 500.

FORMER YALE STAR WINS

MIAMI, Fla.—Medal honors in the annual midwinter amateur championship golf tournament here over the Miami Country Club course went to a New York entry, J. B. Ryerson of Cooperstown. The former Yale links star negotiated the par 72 layout in one stroke over the mythical perfect figures, his score being 36—37—73.

TEN-MAN IDEA TO GET TRIAL

ABERDEEN, Wash. (AP)—Managers of the Timber League, which is composed of baseball clubs in southwestern Washington, voted here to give the 10-man team idea a trial this coming season. The ten-man team advocated by John A. Heydler, president of the National League, is designed to permit a batting line-up excluding the pitcher.

MRS. KEATING AND MAXWELL WIN

PINEHURST, N. C.—Mrs. Harry V. Maxwell of Spring Lake and her partner, Mrs. F. T. Keating of Boston, tied with Mrs. H. C. Buckminster of Boston and Miss Jean Jacques of New York in a two-ball best-ball match held by the Silver Foils Golf Society on the No. 1 course here. The Maxwell-Keating team had a gross of 93.

CARDS TO TRY BUCKNELL STAR

ST. LOUIS, Mo. (AP)—Edward H. Halicki, said to be Bucknell College's most outstanding ball player since the days of "Christy" Mathewson, is slated to join the St. Louis National League baseball club in June, C. B. Rickey, club vice-president, announced. Halicki, a pitcher, also played the outfield in college ball.

YALE CLUB HAS CLEAN RECORD

Harvard and Columbia Clubs Close Behind Leader in Class C Race

METROPOLITAN CLASS C SQUASH TENNIS TEAM STANDING

	Matches W.	Matches L.	Games W.	Games L.	P.C.
Yale Club	10	0	59	11	1.000
Harvard Club	9	1	53	17	.900
Columbia U. C.	9	1	51	19	.900
City A. C.	8	2	49	21	.800
Elizabeth T. & C. C.	6	4	41	*28	.600
Princeton Club	6	4	40	30	.600
Park A. C.	6	4	32	38	.600
New York A. C.	5	5	38	32	.500
Heights Casino	4	6	27	43	.400
Fraternity S. T. C.	3	7	32	38	.300
Shelton Club	2	8	21	49	.200
Apawamis Club	2	8	19	*48	.200
Short Hills Club	0	10	13	*55	.000
Crescent A. C.	0	10	12	58	.000

*Games unplayed.

Special from Monitor Bureau

NEW YORK—The four leaders now locked in the final struggle for the Metropolitan squash tennis team championship, in Class C, continued to maintain their relative positions in the race as they completed the tenth round Monday. With their own individual battles now coming near, Yale Club, the unbeaten leader, Harvard Club and Columbia University Club, only a match behind, each won its match by considerable margins, and City Athletic Club, with two lost matches, was hoping that in the coming rounds they would be able to overtake the others, with their easier matches, while the other teams were defeating each other.

Yale Club, on its own courts with the tailenders, Crescent A. C., for its opponent, had the easiest task, winning each match in straight games. Columbia University Club also won by a wide margin on its own courts, defeating Elizabeth Town and Country Club, 6 to 1, though many of the matches were closely fought, with three games and some extra point finals. Harvard Club, visiting Princeton Club, was formed to fight to the very end, winning by a score of 4 games to 3, with many three-game battles.

City Athletic Club, entertaining Fraternity Squash Tennis Club on its courts, won five of the seven matches, though many of its best players were absentees, requiring the use of several substitutes.

The other winners of the day, all well known in the standing, were Park Avenue Squash Club, which climbed up to a tie for fifth place with Elizabeth Town and Country Club, and Princeton Club, by virtue of a 5 to 2 victory over Shelton Club; New York A. C., which won the match against Apawamis Club, on the new courts of the latter at Rye, N. Y., 5 to 2, and Heights Casino, which disposed of Short Hills on its Brooklyn Heights courts, 4 to 3.

During the three remaining rounds, Yale Club will encounter Princeton, Columbia and Harvard clubs, while Columbia has Harvard, Yale and Apawamis clubs, and Harvard Club is scheduled against Columbia U. C., Elizabeth and Yale Club. Meantime, City Athletic Club has the easy task of Park Avenue, Shelton and Elizabeth. It is impossible for any others to reach the front. The summary:

YALE CLUB 7, CRESCENT ATHLETIC CLUB 0

Norman Dodd, Yale Club, defeated D. E. Judge, Crescent A. C., 15—5, 15—5.

Fergus Reid Jr., Yale Club, defeated G. M. Shepperd, Crescent A. C., 15—7, 15—3.

W. Q. Holden, Yale Club, defeated D. M. Ogilvie, Crescent A. C., 18—15, 15—1.

F. A. Potts, Yale Club, defeated H. G. Treiss, Crescent A. C., 15—5, 15—6.

Prescott Evarts, Yale Club, defeated J. B. Dunleavy Jr., Crescent A. C., 15—11, 15—12.

J. C. Stanley, Yale Club, defeated J. Allison, Crescent A. C., 15—4, 15—9.

N. T. Lane Jr., Yale Club, defeated L. K. Larson, Crescent A. C., 15—5, 15—5.

HARVARD CLUB 4, PRINCETON CLUB 3

Bernhardt Knollenberg, Harvard Club, defeated L. B. Dailey Jr., Princeton Club, 9—15, 15—9, 15—12.

F. H. Merrill, Princeton Club, defeated S. P. Hunnewell, Harvard Club, 15—9, 18—17.

E. K. Clifford, Harvard Club, defeated C. H. Donner, Princeton Club, 15—10, 15—10.

R. C. Flack, Harvard Club, defeated C. W. Bowring Jr., Princeton Club, 14—17, 15—7, 15—9.

F. S. Miley, Harvard Club, defeated E. L. Crabbe, Princeton Club, 15—10, 11—15, 15—10.

C. S. White, Princeton Club, defeated G. W. Cobb Jr., Harvard Club, 15—11, 7—15, 15—10.

R. B. Hollander, Princeton Club, defeated Nicholas Roosevelt, Harvard Club, 15—5, 11—15, 15—9.

COLUMBIA UNIVERSITY CLUB 6, ELIZABETH TOWN AND COUNTRY CLUB 1

Paul Garrigue, Columbia U. C., defeated Samuel Bonnell, Elizabeth T. & C. C., 18—15, 15—12.

M. H. Westerfield, Elizabeth T. & C. C., defeated W. J. Wilson, Columbia U. C., 15—12, 4—15, 15—8.

Warren Jennings, Columbia U. C., defeated Pitser Miller, Elizabeth T. & C. C., 8—15, 18—14, 15—12.

Frederick Culman, Columbia U. C., defeated J. B. Quincy, Elizabeth T. & C. C., 15—6, 15—12.

A. H Wood, Columbia U. C., defeated Alan Church, Elizabeth T. & C. C., 15—10, 6—15, 18—17.

J. P. Phillips, Columbia U. C., defeated Joseph De Raismes, Elizabeth T. & C. C., 11—15, 15—7, 15—12.

A. K. Thompson, Columbia U. C., defeated N. C. Jacquith, Elizabeth T. & C. C., 15—10, 15—8.

CITY ATHLETIC CLUB 5, FRATERNITY SQUASH TENNIS CLUB 2

Harold Ablowich, City A. C., defeated M. H. Sherwin, Fraternity S. T. C., 15—6, 13—18, 15—5.

Howell Van Gerbig, Fraternity S. T. C., defeated Sylvan Freedman, City A. C., 15—12, 15—9.

Milton Fischer, City A. C., defeated H. C. Taylor, Fraternity S. T. C., 15—9, 15—9.

E. J. Fixman, City A. C., defeated W. O. Wyckoff, Fraternity S. T. C., 15—17, 15—8, 15—8.

G. M. Edmonson Jr., Fraternity S. T. C., defeated A. B. Hyman, City A. C., 8—15, 15—9, 15—13.

Morton Wild, City A. C., defeated S. W. Smith, Fraternity S. T. C., 15—6, 10—15, 15—11.

Milton Cohn, City A. C., defeated W. A. Silleck, Fraternity S. T. C., 15—7, 15—12.

PARK AVENUE SQUASH CLUB 5, SHELTON CLUB 2

Stanley Jones, Park A. S. C., defeated A. G. Lanier, Shelton Club, 15—9, 7—15, 17—15.

Henry Reeve Park A. S. C., defeated A. G. Lanier, Shelton Club, 15—7, 18—14.

H. T. Sawyer, Park A. S. C., defeated C. D. Bailey, Shelton Club, 15—9, 15—12.

D. B. Carson, Park A. S. C., defeated E. P. de Got, Shelton Club, 15—6, 15—7.

Merle Johnson, Park A. S. C. defeated W. J. Wickenheiser, Shelton Club, 15—7, 15—7.

N. H. Whittemore, Shelton Club, defeated S. Treak, Park A. S. C., 15—3, 12—15, 15—8.

A. M. Gabel, Shelton Club, defeated F. Westmann, Park A. S. C., 15—8, 15—12.

NEW YORK ATHLETIC CLUB 5, APAWAMIS CLUB 2

E. J. Gleason, New York A. C., defeated J. F. Park Jr., Apawamis Club, 15—9, 15—12.

C. F. Lufkin, Apawamis Club, defeated J. D. Hobson, New York A. C., 15—3, 15—4.

R. A. Leyendecker, New York A. C., defeated J. W. Hanes, Apawamis Club, 17—16, 15—11.

R. W. Georgie, New York A. C., defeated Marvin Pierce, Apawamis Club, 10—15, 15—9, 15—13.

P. J. Cohalan, New York A. C., defeated Guthrie Shaw, Apawamis Club, 15—9, 15—5.

W. A. Durcan, New York A. C., defeated H. G. Montgomery, Apawamis Club, 15—6, 15—4.

Nicholas Barnwall, Apawamis Club, won from L. M. Powell, New York A. C., by default.

HEIGHTS CASINO 4, SHORT HILLS CLUB 3

D. C. Cottrell, Short Hills Club, defeated R. L. Murphy Jr., Heights Casino, 15—1, 15—3.

Danforth Geer Jr., Short Hills Club, defeated R. L. Carter, Heights Casino, 15—4, 17—18, 18—14.

W. H. English Jr., Heights Casino, won from R. A. Wodell, Short Hills Club, by default.

F. T. Birdsall, Heights Casino, defeated E. D. Twombley, Short Hills Club, 15—7, 15—5.

Lawrence Brown, Heights Casino, defeated D. T. Howe, Short Hills Club, 15—9, 15—5.

F. F. Stevenson, Short Hills Club, defeated Donald Havens, Heights Casino, 12—15, 15—8, 18—17.

F. E. Walton, Heights Casino, defeated F. Ryan, Short Hills Club, 16—17, 15—12, 18—15.

MRS. ROUNSEVELLE IS ARCHERY LEADER

C. G. Thompson Leads Men in Pinehurst Tourney

PINEHURST, N. C.—The annual midwinter archery tournament with the Carolina championships began on the range here Monday with Mrs. Phillip Rounsevelle of Asheville giving the best display.

Mrs. Rounsevelle gained a long lead in the women round, scoring 69 hits for a total of 463 in the Columbia round. In the same round Miss Glenna Collett, women's United States golf champion, scored 22 hits for 159 points.

C. G. Thompson of Canandaigua, N. Y., president of the New York State Archers' Association, is leading the men with 110 hits for 470 points in the York round. Harold Rohm of New Orleans is second place with 69 hits for 295.

Stephen A. Douglas 5th of Greensboro has a long lead in the boys' division. The summary:

National Round—Women	Hits	Score
Mrs. P. Rounsevelle, Asheville	52	240
Miss M. M. Lauter, Greensboro	43	200
Miss Frances Bowles, Pinehurst	44	166
Miss E. Rountree, Wins'n-Salem	35	158
Miss Glenna Collett, Providence	22	92
Miss H. Thompson, Canandaigua	22	86
Mrs. F. S. Brunner, Philadelphia	16	56
Mrs. Chas. Benbow, Greensboro	20	50
Columbia Round—Women		
Mrs. Phillip Rounsevelle	69	463
Miss M. M. Lauter	61	315
Miss Frances Bowles	62	302
Miss Helen Thompson	61	287
Miss Elizabeth Rountree	50	250
Mrs Charles Benbow	54	234
Miss Glenna Collett	33	159
Mrs. F. S. Brunner	41	153
York Round—Men		
C. G. Thompson, Canandaigua	110	470
Harold Rohm, New Orleans	69	295
Philip Rounsevelle, Pinehurst	68	282
Wallace White, Greensboro	56	280
R. Douglas, Greensboro	47	181
Alfred Ellington, Madison, N. C.	31	169
F. S. Brunner, Philadelphia	23	81
National Round—Boys		
S. A. Douglas 5th, Greensboro	54	242
C. Thompson Jr., Canandaigua	15	53
Gordon Harriman, Boston	12	42
American Round—Boys		
S. A. Douglas 5th	86	514
Walter Merrill, Wilmette, Ill.	67	328
Gordon Harriman	44	190
C. G. Thompson Jr.	35	151

NEW DIVISIONS MADE IN JUNIOR BASEBALL

NEW YORK (AP)—New assignments of states to regions and sections in the 1929 American Legion junior baseball World Series have been made by Daniel Sowers, director of the Americanism commission of the legion.

"The series last year brought into competition 122,000 boys from all parts of the United States," said Sowers in a report to national headquarters at Indianapolis, and the changes are made to provide for an even greater number of participants in 1929. The new grouping of states is expected to shorten the distance players will have to travel. The eastern section follows:

Region No. 7—Kentucky, Ohio, Indiana and Michigan. Region No. 8—South Carolina, Virginia, Tennessee and North Carolina. Region No. 9—Mississippi, Georgia, Alabama and Florida. Region No. 10—Pennsylvania, Maryland, West Virginia, Delaware and the District of Columbia. Region No. 11—New York, Connecticut, New Jersey and Rhode Island. Region No. 12—Maine, New Hampshire, Vermont and Massachusetts.

ENGLAND UNABLE TO RENEW POLO RIVALRY

NEW YORK (AP)—Army polo teams representing the United States and England will not meet this year in renewal of their rivalry begun in 1923, it was announced upon receipt of a letter from England declining an invitation to send a British Army team to the United States next summer.

The message received by the Army Central Polo Committee at Washington through the American Embassy at London said that although the Army Council of the British War Office "realizes the many advantages that accrue from these friendly contests," it feels that "it would be quite impossible to spare the services of the officers who would form a representative team for the length of time that would be involved.

The series was started by Gen. John J. Pershing and General Thereal of Cavan in 1923, when a British team came to the United States to play a quartet, led by Lieut.-Col. Lewis Brown. It was resumed in 1925, but since that year when an American team captained by Maj. Louis Bard invaded England no matches have been played.

PACIFIC COAST HOCKEY LEAGUE

	W.	T.	L.	Goals For	Goals Agst	Pts
Vancouver	12	1	3	34	18	25
Portland	7	3	6	27	30	17
Victoria	4	3	8	28	31	11
Seattle	4	1	9	23	30	9

RESULT MONDAY
Vancouver 3, Seattle 0.

Special to The Christian Science Monitor

VANCOUVER, B. C. — Vancouver turned in another shutout victory over Seattle here Monday night in a Pacific Coast Hockey League contest, 3 to 0. Percy Jackson, Vancouver's great goal tender, was in brilliant farm and turned back fine sallies by the entire Seattle forward line time and again.

HOPPE LEADS MATSUYAMA

W. F. Hoppe, former world's 18.2 professional billiard champion, was away to a fine lead in his 3000-point match with Kinrey Matsuyama of Japan, which is being played at the Twentieth Century Billiard Parlors, Boston, Monday, when they played two blocks of 300 points each, Hoppe winning the first one, 300 to 76, and the second 300 to 125. Although Hoppe made the best run of the day on his second trip to the table in the first block when he ran 172, he played more consistent billiards in the second block, requiring only six innings to run out his 300. Matsuyama's best run was 67 on his third trip to the table in the second block.

COLLEGE HOCKEY RESULTS

Michigan 3, Michigan State 1.

Kansas City Gains in Hockey Standing

Duluth Also Moves Up to Fourth-Place Tie in A. H. A.

AMERICAN HOCKEY ASSOCIATION STANDING

	W	T	L	Goals For	Goals Agst	Pts
Kansas City	11	2	6	37	31	24
St. Paul	10	0	7	48	34	20
Minneapolis	7	2	7	26	24	16
St. Louis	7	0	10	36	42	14
Tulsa	6	2	6	21	22	14
Duluth	7	0	12	19	27	14

RESULTS MONDAY
Kansas City 5, St. Louis 3.
Duluth 1, Tulsa 0.

Special to The Christian Science Monitor

KANSAS CITY, Mo.—In a hockey match featured by heavy scoring, Kansas City defeated St. Louis, its state rival, Monday night before 3500 persons, 5 to 3.

It was the closing game of the series, the Pla-Mors winning the first game of the series in the local ice palace 2 to 1, in an overtime period.

KANSAS CITY — ST. LOUIS
Mitchell, Lessard, lw.rw, Cameron, Lapointe
Scott, Ranger, c.......c, Acaster, Goyer
Dunfield, McCormick, rw.lw, Hill, Metcalfe
McLeod, Munro, ld....rd, Breen, Powley
Dutkowski, rd.....ld, Headley, Boileau
Byrne, g.....................g, Anderson

Score—Kansas City 5, St. Louis 3. Goals—Dutkowski, Mitchell, Campbell, Lessard, Ranger for Kansas City; Metcalfe, Goyer, Boileau for St. Louis. Referee—A. J. Conroy, St. Paul. Time—Three 20m. periods.

Special to The Christian Science Monitor

DULUTH, Minn.—Duluth scored a clean slate over Tulsa in the American Hockey Association championship race here Monday night by winning the second of its two-game series with Oklahoma, 1 to 0. The game throughout was played with considerable caution on the part of both sextets each waiting for a break which did not come until near the end of the contest.

That the visitors were determined to open the scoring the first period was apparent. Their forward wall closed in on the Duluth goal with threatening consistency, but the stellar work of Vernon Turner turned aside all scoring attempts. Townsend, Tulsa defense, proved dangerous in offense plays and broke many Duluth rushes with brilliant back checking. The summary:

DULUTH — TULSA
Goodman, Koski, lw.rw, Marker, Wakeford
Torsteinsen, Merrill, c
c, Keath, Cook, Moffatt
Morrison, Bergl, rw.lw, Shephard, Lafrance
Williams, Jamieson, ld.......rd, Graham
Davis, rd..........ld, Trapp, Townsend
Turner, g..................g, McCusker

Score—Duluth 1, Tulsa 0. Goals—Bergl for Duluth. Referee—John Hughes, Winnipeg. Time—Three 20m. periods.

CANADIAN PROFESSIONAL HOCKEY LEAGUE STANDING

	W.	T.	L.	Goals For	Goals Agst	Pts
Detroit	13	2	6	56	34	28
Windsor	11	2	6	45	37	24
Kitchener	10	2	7	59	50	22
Toronto	9	3	8	46	51	21
Niagara Falls	8	1	12	38	43	17
London	7	2	10	32	56	16
Buffalo	5	4	10	35	32	14
Hamilton	6	2	10	36	50	14

RESULT MONDAY
Toronto 2, Buffalo 1.

Special to The Christian Science Monitor

TORONTO — The local Canadian Professional Hockey League team strengthened its hold on fourth place in the league standing by defeating the Buffalo Bisons here Monday night by 2 to 1. All three goals being scored in the first period and the losers scoring first. This will probably be the last game played here by the local club, as arrangements are being made to transfer its remaining fixtures to other cities owing to lack of patronage.

WEINER DEFEATS COMINS

NEW YORK (AP)—David Weiner, defending champion, defeated Danforth Comins of Boston in the opening match of the national amateur class B 18.2 balkline billiard tournament here Monday night, 200 to 168. Seven players are entered in the tourney which is to be conducted on a round-robin basis. Weiner closed out the first match in 37 innings. His high run was 21; Comins 26.

Finnish Runners Arrive in New York

By the Associated Press

New York

FOLLOWING in the footsteps of their countryman, Paavo Nurmi, who has been here a month, three young Finnish runners arrived today from Europe aboard the Swedish-American liner Kungsholm and are expected to appear in some of the big American indoor track and field meets now at hand.

Eino Purje, world's record holder at 2000 metres and conqueror of Nurmi in a 1500-meter rate at Helsingfors in the Finnish Olympic trials last summer, is the ranking runner of the three. With him are Arvo Lahti and Toivo Lundstrom. All three are here under the management of Hugo Quist, who is also Nurmi's American representative.

O'CONNOR BOWS TO R. MASON KIRKLAND

Special from Monitor Bureau

NEW YORK—R. Mason Kirkland, after many years of trying, showed a brand of squash tennis Monday in the second round of the Harvard Club invitation tournament, in defeating Burdette H. O'Connor, No. 4 in the national ranking, that he installed himself as a possible first 10 player by the victory.

The Elizabeth Town and Country Club player, who is now enrolled as a member of the New York Athletic Club team, due to the inability of his own club to get up a team in Class A, fought his way to victory over the Crescent Athletic Club star, after being at least five times within a point of defeat in the deciding game.

The score was 15-11, 11-15, 17-15, and O'Connor had service five times at 14-11, with only one point needed for victory. Finally, a rally by Kirkland brought him to even terms at 14-all, and after several more innings he captured the three extra points needed for victory.

Rowland B. Haines, the national champion, advanced by default, when his clubmate in the Columbia University Club, J. D. Kennedy, defaulted his match, while the other brackets were filled as expected with the ranking players. The summary:

Second Round

R. B. Haines, Columbia University Club, won from J. D. Kennedy, Columbia University Club, by default.

J. C. Tredwell, Crescent Athletic Club, won from Gavin Brackenridge, Princeton Club, by default.

G. M. Rushmore, Harvard Club, defeated Murray Taylor, Harvard Club, 15—12, 12—15, 15—12.

R. M. Kirkland, New York Athletic Club, defeated B. H. O'Connor, Crescent Athletic Club, 15—11, 11—15, 17—15.

Milton Baron, Fraternity Squash Tennis Club, defeated Arthur Goldburg, Yale Club, 15—2, 14—18, 15—8.

F. A. Sieverman Jr., Fraternity Squash Tennis Club, defeated S. M. Sperry, Princeton Club, 6—15, 18—15, 15—10.

Gardner Hirons, Columbia University Club, defeated C. F. Fuller, Harvard Club, 15—6, 18—15.

LAKE PLACID PREPARES

ALBANY, N. Y.—The Senate and Assembly at the session Monday evening took favorable action on a concurrent resolution definitely placing the Legislature on record as willing to co-operate to the limit of its ability in the enactment of any legislation that may be found necessary to prepare the way for the holding of the 1932 Olympic winter games at Lake Placid. The general Olympic meet, to be held in the summer of that year, has already been awarded to Los Angeles, Calif.

VETERAN SKATER SETS RECORD

DAVOS, Switz. (AP)—Oscar Mathieson of Norway, who 20 years ago was invincible as amateur speed skating champion of the world, made a new world's record for 500 meters Monday, which he covered in 43 seconds. His record of 15 years ago of 43 4-10s. was beaten by Larsen of Norway in 1928 with 43.1s. His latest feat occurred at the Davos winter sports, which is a repetition on a smaller scale of the Olympic winter games.

Oklahoma and Iowa State Are to Struggle for "Big Six" Lead

MISSOURI VALLEY INTERCOLLEGIATE A. A. BASKETBALL STANDING

	Won	Lost	Goals For	Goals Agst	P.C.
Iowa State	1	0	41	30	1.000
Missouri	1	0	30	25	1.000
Oklahoma	1	0	27	25	1.000
Kansas State	0	1	30	41	.000
Kansas	0	1	25	27	.000
Nebraska	0	1	25	30	.000

Special to The Christian Science Monitor

COLUMBIA, Mo.—In defense of its title as champion, University of Oklahoma has a chance to take the lead during the next seven days in the championship basketball race of the Missouri Valley Intercollegiate Athletic Association. The Sooners, who won their first game, appear in two of the six contests scheduled for the period.

The champions' meeting with Iowa State College at Norman, Okla., Saturday, takes on early season importance, as Ames also won its first game by a high score. Coach H. V. McDermott's boys face Kansas State Agricultural College at Manhattan, Kan., tonight. Iowa State has another game for the period, visiting University of Kansas next Monday.

Other games bring Kansas to University of Missouri here tonight, and to University of Nebraska at Lincoln on Saturday, and Kansas State faces Missouri here on Saturday.

Oklahoma will need more speed against Iowa State than it showed in the 27-to-25 victory over Kansas, which result was a distinct surprise, as the Sooners, who had a successful practice season, were expected to defeat Kansas, which lost game after game in the preliminaries, by a wide margin. Instead, the Sooners allowed the Jayhawkers to lead nearly to the finish before they went ahead. In the game tonight at Kansas State and that Saturday against Ames, R. T. Churchill '30, left forward, will be counted on for more than the nine points he made against Kansas.

Where Oklahoma disappointed, Iowa State sprang a surprise in its one-sided opening victory over Kansas State, 41 to 30. L. C. Lande '29, left forward, got a good start toward scoring honors with 17 points made on eight baskets and a free throw. G. W. Woods '30, center, promised well also with six baskets. Coach L. E. Menze's boys should at least divide their program for the week. If they lose to Oklahoma, they should even up by defeating Kansas on Monday.

The most strenuous schedule faces Kansas, with games against Missouri, Nebraska and Iowa State. Its good showing against Oklahoma should result in greater confidence, led by C. R. Thomson '30, forward, who scored five baskets in that contest.

Missouri, one of the three teams to win its opening game, enjoys the advantage of playing both Kansas and Kansas State here. The victory of the Tigers, 30 to 25, afforded considerable satisfaction, but lends little comfort in regard to the coming games. H. H. Welsh '30, forward, got started well in the first game, scoring seven baskets, but he needs more support in scoring. The individual leaders are as follows:

Player, Position, College	Goals Field	Goals Foul	Pts.
L. C. Lande, lf, Iowa State	8	1	17
H. H. Welsh, rf, Missouri	7	0	14
G. W. Woods, c, Iowa State	6	0	12
C. R. Thomson, rf, Kansas	5	0	10
R. T. Churchill, lf, Oklahoma	4	1	9
H. E. Ruble, rg, Missouri	3	3	9
H. R. Weller, g, Kan. State	4	0	8
T. C. Bishop, rf, Kansas	3	1	7
E. J. Skradski, lf, Kan. State	2	3	7

EARL ABELL TO STAY AT COLGATE

HAMILTON, N. Y. (AP)—Earl Abell, head coach of football at Colgate University, who was appointed a year ago, will continue here, it was decided by the university athletic council. He will have as his aides George W. Hauser, former head coach here, Lloyd Jordan and Raymond Watkins. The council also voted to limit eligibility for all varsity teams to the three upper classes. Freshman teams in football, basketball, baseball and track are not sponsored here, but freshmen clubs in minor sports will be added where practical, according to Dr. Eller C. Huntington, director of athletics.

COLLEGE BASKETBALL RESULTS

Michigan 21, Illinois 17.
Wisconsin 24, Indiana 20.
Northwestern 27, Ohio State 24.
Purdue 64, Chicago 16.
Wash. and Lee 44, Georgia 25.
Yale 25, Dartmouth 24.
Iowa 36, Minnesota 23.
Luther 25, St. Ambrose 22.
Lake Forest 28, Northwestern Col. 22.
Iowa Teachers 26, Columbia 24.
Cornell Col. 24, Coe 11.

UHLE SIGNS HIS CONTRACT

DETROIT (AP)—George E. Uhle, right-handed pitcher obtained from the Cleveland American League Baseball Club in a trade which sent J. C. Tavener, infielder, and K. E. Holloway, pitcher, to the Indians, presented his signed contract for 1929 to President Frank J. Navin of Detroit.

TUTWILER RELEASED

PITTSBURGH, Pa. (AP)—Pitcher Elmer S. Tutwiler, recruit obtained by the Pittsburgh National League Baseball Club last August from Savannah of the Southeastern League, was released outright to Omaha of the Western League. Tutwiler's home is at Blosburg, Ala.

FOOTBALL ATTENDANCE RECORD

BERKELEY, Calif. (AP)—A total of 427,099 persons saw the 10 games played by the University of California's 1928 football team, setting a new all-time attendance record. The previous record was 410,760, set in 1927.

MICHIGAN WINS FOUR STRAIGHT

Maintains Its Clean Slate in "Big Ten" Race—Four Other Games Played

Special to The Christian Science Monitor

ANN ARBOR, Mich.—Jumping into the lead at the start of the game and holding the advantage to the finish, the University of Michigan five won its fourth straight "Big Ten" victory here Monday night, by defeating the University of Illinois, 21 to 17, thereby keeping its record clean. Whenever the Illinois threatened to overtake the Wolverines, Michigan proved equal to the occasion and each time drew away from their rivals. The score at the half was 13 to 6. Michigan and Purdue still top the Conference with one more victory than Purdue, neither having sustained a defeat. The summary:

MICHIGAN — ILLINOIS
Orwig, lf.....................rg, Mills
Truskowski, rf.......lg, Doren, Bergeson
Chapman, c......................c, May
McCoy, lg....................rf, Harper
Rose, rg........................lf, How

Score—University of Michigan 21, University of Illinois 17. Goals from field—Truskowski 2, Chapman 2, Rose 2, Orwig, McCoy for Michigan; Doren 4, Mills, May, Harper for Illinois. Goals from foul—McCoy 3, Truskowski 2 for Michigan; Mills, Doren, How for Illinois. Referee—Kearns, DePauw. Umpire—Cleary, Notre Dame. Time—Two 20m. periods.

Special to The Christian Science Monitor

IOWA CITY, Ia.—Taking the lead at the outset and maintaining it throughout the game the University of Iowa basketball team defeated University of Minnesota in a listless "Big Ten" game here, Monday night, 36 to 23.

Ragged teamwork by both fives marred the first half. Minnesota could not penetrate the Iowa defense while the Hawkeyes counted persistently with long shots to gain a 19 to 12 advantage by half time.

The visitors spurted at the start of the second period and brought the score to 24 to 20 before the Iowans, with I. L. Nelson '31 and R. H. Kinnan '30 leading their attack, drew away again. Nelson and Kinnan were the big stars for Iowa while Harry Schoening '31 and R. A. Nelson '31 did the best work for the losers.

IOWA — MINNESOTA
Nelson, Spradling, lf
rg, Otterness, Norgaard
Twogood, Plunkitt, rf..lg, Hovde, Tanner
Wilcox, Leeka, c...............c, Nelson
David, lg.........rf, Hutchinson, Schoening
Kinnan, Farroh, rg.lf, Engebretson, Clifford

Score—University of Iowa 36, University of Minnesota 23. Goals from field—Kinnan 3, Nelson 3, Twogood 2, Wilcox 2, Leeka, David for Iowa; Schoening 3, Tanner 2, Nelson 2, Otterness, Hovde, Hutchinson for Minnesota. Goals from foul—David 4, Nelson 3, Wilcox 2, Leeka, Kinnan, Spradling for Iowa; Clifford, Nelson, Norgaard for Minnesota. Referee—J. Travnicek, Chicago. Umpire—George Levis, Wisconsin. Time—Two 20m. periods.

Special to The Christian Science Monitor

MADISON, Wis.—After the University of Indiana basketball team had taken a lead with only five minutes to go, the University of Wisconsin tied the score on a goal by Capt. E. F. Tenhopen '29 and then won, 24 to 20, when H. A. Kowalczyk '30 and Tenhopen made field goals. J. D. Strickland '30 was the leading scorer for the losers with four goals from the field, while Tenhopen made the same number of goals to lead Wisconsin in scoring. The summary:

WISCONSIN — INDIANA
Miller, lf....................rg, Correll
Foster, rf.....................lg, Schied
Tenhopen, Kowalczyk, c...c, McCracken
Ellerman, lg................rf, Strickland
Chmielewski, rg...................lf, Wells

Score—University of Wisconsin 24, Indiana University 20. Goals from field—Tenhopen 4, Foster 2, Miller, Kowalczyk, Chmielewski for Wisconsin; Strickland 4, McCracken 2, Correll 2, Wells for Indiana. Goals from foul—Foster 2, Miller 2, Kowalczyk 2 for Wisconsin; Wells, Correll for Indiana. Referee—J. J. Schoomer. Umpire—J. A. Getchell. Time—Two 20m. periods.

Special to The Christian Science Monitor

COLUMBUS, O. — Northwestern University defeated Ohio State University in a close hard-fought game here, Monday night by a score of 27 to 24.

NORTHWESTERN — OHIO STATE
Gleichman, lf.....rg, Larkins, Hinchman
Bergherson, rf.....................lg, Fesler
Walter, c..........................c, Vanheyde
Marshall, lg...................rf, Evans, Tittle
Schultz, rg..........................lf, Ervin

Score — Northwestern University 27, Ohio State University 24. Goals from field—Gleichman 4, Walters 3, Marshall 3, Bergherson 2 for Northwestern; Ervin 5, Evans 2, Vanheyde, Fesler, Larkins for Ohio State. Goals from fouls—Gleichman 2, Bergherson for Northwestern; Hinchman 2, Ervin, Vanheyde for Ohio State. Referee—Frank Lane, Detroit. Umpire—J. J. Maloney, Notre Dame. Time—Two 20m. periods.

Special to The Christian Science Monitor

LAFAYETTE, Ind. — Purdue University ran up a record score of 64 to 16 in defeating University of Chicago in a "Big Ten" basketball game here, Monday night. It was the second victory of the Boilermakers over the Maroons. The visitors were not completely outclassed in the first half, as they held the locals to a lead of 22 to 12, but the game quickly became a rout as the second half opened.

PURDUE — CHICAGO
Harmeson, Gibbens, lf.............rg, Fish
Cummins, Welch, rf.lg, Abbott, Crawford
Murphy, c.................c, Gist, Boesel
Schnaiter, Lyle, lg....rf, Chagnon, Yates
Boots, Beck, Overman, rg
lf, Cooper, Kaplan

Score—Purdue University 64, University of Chicago 16. Goals from floor—Murphy 8, Harmeson 5, Cummins 3, Boots 3, Lyle 2, Gibbens 2, Schnaiter, Welch for Purdue; Chagnon, Cooper, Fish; Abbott for Chicago. Goals from foul—Murphy 10, Overman 2, Cummins, Schnaiter for Purdue; Chagnon 2, Gist 2, Abbott 2, Fish, Kaplan for Chicago. Time—Two 20m. periods. Referee—Ellison. Umpire—Dale Miller.

CALIFORNIA HOCKEY LEAGUE STANDING

	W.	T.	L.	Goals For	Goals Agst	Pts
Hollywood	9	1	4	35	29	19
San Francisco	6	2	6	33	37	14
Los Angeles	5	2	7	21	22	12
Oakland	5	1	8	36	43	11

RESULT MONDAY
Oakland 2, Hollywood 0.

Special to The Christian Science Monitor

LOS ANGELES, Calif. — Hollywood's lead is being gradually cut down in the California Hockey League. The Oakland club, in last place, shows improvement under the coaching of Phillip Stevens and Monday night won its first game from Hollywood, 2 to 0. Alexander Cook, brother of the two Cooks on the New York Rangers, made both goals, George Bond assisting twice.

GREENLEAF AND SEABACK DIVIDE

NEW YORK (AP)—E. R. Greenleaf and Charles Seaback divided the first two blocks of their 1500-point pocket billiard match Monday but Greenleaf holds a slight lead in total points. The count stands: Greenleaf 258, Seaback 246. Seaback won the afternoon block 125 to 110, closing out the block with an unfinished run of 37 in the tenth inning. Seaback's best cluster was 42; Greenleaf's 45. Greenleaf came back to win the evening block, 148 to 121 in 18 innings, despite a high run of 31 for Seaback. Greenleaf's best string was 34.

UNDER CITY HEADINGS

Massachusetts

BOSTON

Nineteen Twenty-Nine
Order your Diaries, Desk Calendars and Account Books for the New Year, today.
DAMON'S Seven Pemberton Square
Distributors "Guild" Quality Products

LYNN

COAL
Anthracite and Bituminous *and* Wood
Sprague, Breed, Stevens & Newhall
Incorporated 8 Central Square

Lake-Diversion Case Now to Go Before Congress

(Continued from Page 1)

the big determining problem has been how much water the waterway should have. Congress will have to determine this as the matter is regarded here.

The Sanitary Canal and the State have taken the stand that the present diversion of 8500 second feet plus Chicago's sewage need of 1500 second feet, a total of 10,000, is required. Opponents of Chicago's program have held that the waterway could be run on the water that Chicago takes for sewage purposes alone.

If this figure of 1000 or 1500 second feet alone were allowed it would require the building of five more dams in the Illinois waterway and a dam in the Mississippi.

At the end of this year a deduction in the volume Chicago is now using will be made by the Government, it is anticipated. Reductions will probably be progressive, as Chicago puts into use more and more sewage construction.

The situation as regards the Illinois waterway has been thrown into perplexity by the court decision.

It is felt that the power question has entered into the demands of the Sanitary District and of the State for the full amount of possible water.

Opens Way for Direct Negotiations With Canada

OTTAWA, Ont. (AP)—Official comment here on the Chicago drainage decision was that it opened the way for direct negotiations with the United States by Canada to remedy the grievance.

In the case decided at Washington, Canada had no status. But in the fight between Illinois on one side and Wisconsin, Ohio, Pennsylvania, Michigan and New York on the other, the complaint of the latter was much the same as that of Canada.

Airport System Includes Boston

Curtiss Flying Service Buys New England Company in Promotion of Plan

SPECIAL FROM MONITOR BUREAU

NEW YORK—In connection with the plans to link Boston in a nation-wide chain of school, air taxi and field airplane service now being established, the Curtiss Flying Service has acquired the New England Aircraft Company, with stations at Hartford and Worcester, according to an announcement just made here. This makes the fourth of its New England fields. The company's program of expansion also includes purchase of a new airport adjacent to New York City to supplant Curtiss Field at Garden City, the lease for which expires in April.

"We have outgrown Curtiss Field," H. Clay Ferguson, vice-president and operations manager, said. "It has not been adequate for some time. We will probably settle down temporarily on some field in Nassau County, near the present one, until the City of New York does something about an airport within the city limits."

The Curtiss Flying Service now operates the new municipal airport at Miami, as well as a seaplane base there and at Palm Beach. Plans for a complete flying school, sales and air taxi service have just been completed, it was said, for the Chicago airport, and similar arrangements are about complete for Syracuse, Buffalo, Toledo, Indianapolis, Louisville and St. Louis.

Curtiss Field will continue to be operated as a base by the Airdrome Development Corporation by whom it was purchased in 1927.

Change for Name of Park Favored

Lafayette, in Maine, to Be Acadia, if President Signs the Bill

WASHINGTON (AP)—Change in the name of Lafayette National Park in Maine to Acadia National Park, and the enlargement of the tract would be approved by a bill passed by the Senate Monday and sent to President Coolidge.

BAR HARBOR, Me. (AP)—Lafayette National Park, which would be named Acadia National Park and its boundaries extended under the bill passed by the Senate, was originally known as Sieur Des Monts Monument. The park embraces a group of granite mountains situated on Mount Desert Island.

It was made a National Park in 1919, and was name Lafayette as a tribute to the French. The island is located in a region once known as French Acadia, which also included Nova Scotia and New Brunswick. The proposed boundary extension would include islands in Knox County and some mainland in Hancock County.

General Classified

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BUSINESS OPPORTUNITIES

PATERSON, NEW JERSEY
Departments to rent on first and second floors in a newly remodeled building at the corner of Main and Market Streets. A No. 1 location with space for window display. First floor: Men's furnishings or shoe department. Second floor: Ladies' millinery, hosiery, lingerie or exclusive boot shop. Christian Scientists preferred. Rent very reasonable. Address TURPAN'S, 122 Market St., Paterson, N. J.

DRESS DESIGN

GLASGOW, SCOTLAND—Sandyford School of Design, 26 Sandyford Place, C. 3, provides thorough training in designing and pattern construction for ladies' and gentlemen's garments; day and evening classes; postal courses; perfect fitting patterns supplied to any style or measurement; trade enquiries specially invited.

EMPLOYMENT SERVICE—MEN

SALARIED POSITIONS $2500 to $25,000—The undersigned provides a thoroughly organized service of 19 years' recognized standing through which preliminaries are negotiated for positions of the calibre indicated; the procedure is individualized to each client's personal requirements; your identity covered and present position protected; not a registration bureau; send only name and address for details. R. W. BIXBY, INC., 120 Downtown Building, Buffalo, New York.

HOMES WITH ATTENTION

House-in-the-Pines
16 FUSTING AVE., CATONSVILLE, MD.
Established 1905. For those desiring rest or experienced care in a harmonious, helpful home atmosphere: State license. Tel. Catonsville 333.
Virginia Threadgill Edith M. Emmons

SHADOW LAWN
Home offering comforts and attention for those desiring rest and study; 6 miles from Washington, D. C.; booklet on request. Address MANAGER, East Falls Church, Va.

Tenacre, Inc.
Tel. PRINCETON 755
PRINCETON, NEW JERSEY
Rest Home of refinement; highest standards; experienced care if needed; New Jersey State License. Descriptive Booklet. Under management of MRS. KATHRYN BARMORE.

REAL ESTATE

PIEDMONT, CALIF.—5-room, modern, stucco bungalow; garden; good district; near transportation, schools; $7000; terms. 105 Oakmont Ave.

SHELTERED island home in San Francisco Bay, easy commuting by regular ferry service, golf and yacht clubs, sub-tropical flowers and fruit, ideal climate the year round, free from fogs and mist; 9-roomed modern house stands in about 1/3 acre of beautifully cultivated grounds, with terraced garden on top of hill commanding magnificent view of Mt. Tamalpais, the Golden Gate and city of San Francisco; price $25,000. S. B. PREUSSER, Belvedere, Marin County, California.

REPRESENTATIVES WANTED

Good Opportunity for Women
Agents in every community to sell our imported costume jewelry and leather novelties; consignments of stock sent; no expense except express; unusually liberal commission. ERSKINE HILL, 130 West 42nd St., N. Y. C.

ROOMS TO LET

SAN FRANCISCO, CALIF., Blackstone Hotel, 340 O'Farrell St.—Beautiful sunny lobby, close in, one block from Christian Science church; take a Yellow Cab at our expense; rates from $1.50 up. LESLIE McAULIFF, Manager. Phone Prospect 410.

SALESMEN WANTED

SALESMAN—Business getter; clean cut; repeating specialty for dealers and jobbers, Polishem; big seller to buildings, hotels, etc.; highly endorsed; non-seasonable; good remuneration; exclusive territory; give experience and reference. MFGRS., 10703 Quebec Ave., Cleveland, Ohio.

SITUATIONS WANTED—MEN

DOMESTIC SCIENCE graduate, experienced cafeteria and tea room management, school planner of menus, housekeeper private home; desires similar position Boston or vicinity; highest references. D-3, The Christian Science Monitor, Boston.

EXECUTIVE
42, good appearance, having general supervision over number of restaurants in different cities throughout United States for 12 years, desires position in organization where capability and integrity will be recognized. Box X-5, The Christian Science Monitor, 270 Madison Ave., New York City.

NEW ORLEANS, LA.—Well educated young man, thoroughly familiar with all phases of credit, collection, financial; capable of handling general office work; presently employed. Box X-8, Representative, The Christian Science Monitor, 1304 Felicity St.

SALES AND PROMOTIONAL MANAGER
Seeks opportunity, either traveling or local, with a progressive and financially responsible concern; qualified to organize and direct a sales force, do promotion work and an expert closer; 37 years of age; remuneration must be commensurate with earning power; salary and commission; now employed. H-140, The Christian Science Monitor, 1490 Union Trust Bldg., Cleveland, Ohio.

WANTED—Opportunity to serve as church soloist; have understanding and experience; also references. M-44, The Christian Science Monitor, 1058 McCormick Bldg., Chicago.

Classified advertisements for The Christian Science Monitor are received at the following advertising offices:

BOSTON
107 Falmouth St. Tel. Back Bay 4330
NEW YORK
270 Madison Ave. Tel. Caledonia 2706
LONDON
2, Adelphi Terrace Tel. Gerrard 5422
PARIS
3, Avenue de l'Opéra Gutenberg 42.71
FLORENCE
11, Via Magenta Tel. 23.406
BERLIN
11, Unter den Linden Merkur 6523
PHILADELPHIA
904 Fox Bldg. Tel. Rittenhouse 9186
MIAMI
1106 Security Bldg. Tel. Miami 3-9545
CHICAGO
1058 McCormick Bldg. Tel. Wabash 7182
CLEVELAND
1499 Union Trust Bldg. Tel. Cherry 7699
DETROIT
442 Book Bldg. Tel. Cadillac 5035
KANSAS CITY
405 Continental Building Tel. Victor 3702
SAN FRANCISCO
625 Market St. Tel. Sutter 7240
LOS ANGELES
437 Van Nuys Bldg. Tel. Trinity 2004
SEATTLE
350 Skinner Bldg. Tel. Main 3904
ST. LOUIS
1793 Rlway. Exch. Bldg. Tel. Chestnut 5173
PORTLAND, ORE.
1022 Am. Bank Bldg. Tel. Beacon 9395
Also by Local Advertising Representatives in many cities throughout the United States and other countries.

Local Classified

Advertisements under this heading appear in this edition only. Rate 25 cents a line. Minimum space three lines, minimum order four lines. (An advertisement measuring three lines must call for at least two insertions.) An application blank and two letters of reference are required from those who advertise under a Rooms To Let or a Situations Wanted heading.

CLEANSERS AND DYERS

HIGH-GRADE cleansing, dyeing and pressing. Work called for and delivered. DURITE CLEANSERS, 20 Harvard Street, Brookline, Mass. Regent 5409.

DRESSMAKING

DRESSMAKING, fine tailoring, afternoon and evening gowns, excellent style, good workmanship. MRS. MILLER, 18 W. 108th. Academy 1394 (N. Y. C.)

GOWNS REMODELED OR ALTERED
Telephone for appointment, Endicott 8460
Apt. 3 NEW YORK CITY

HAVE you renewed your subscription to the Monitor? Prompt renewal insures your receiving every issue, and is a courtesy greatly appreciated by The Christian Science Publishing Society.

Local Classified Advertising

Advertisements under this heading appear in this edition only. Rate 25 cents a line. Minimum space three lines, minimum order four lines. (An advertisement measuring three lines must call for at least two insertions.) An application blank and two letters of reference are required from those who advertise under a Rooms To Let or a Situations Wanted heading.

EMPLOYMENT AGENCIES

A. B. C. REGISTRY (Employment Agency)
For Reliable Attendants
New Registration by Appointment Only
550 W. 144th St., N. Y. C. Edgecombe 1772

ATLAS EMPLOYMENT AGENCY
Office positions for Men and Women
Cortlandt 2335-2362 200 Broadway, N. Y. C.

BUSINESS EMPLOYMENT SERVICE
MARY F. KINGSTON
11 JOHN ST., N. Y. C. CORT. 1554

FLATBUSH EMPLOYMENT AGENCY
High-class domestic help. 1437 Flatbush Ave., Brooklyn. Mansfield 7632.

LOUISE C. HAHN—Opportunities for men and women seeking office positions, 280 B'way, New York City. Telephone Worth 2080.

MISS ARNSON AGENCY—Governesses, infants' nurses, attendants, housekeepers. 431 Riverside Drive, corner 115 St. Cathedral 3351. New York City.

MRS. J. E. CURTISS
Formerly Manager Employment Dept.
Remington Typewriter Co.
MRS. M. B. BRADLEY, Associate
EMPLOYMENT SPECIALISTS
158 West 45th Street Bryant 8835

MRS KEMP'S AGENCY
High grade colored maids; references.
2382 7th Ave., New York Audubon 2856

FOR SALE—MISCELLANEOUS

FOR SALE—Antique Persian rug, 10½ by 13 ft., beautifully blended colors; original value $1200; price $350 to close an estate. MRS. E. R. LACE, 23 West St., New London, Conn. Phone 4600.

HELP WANTED—MEN

CARPENTER, Protestant, with workshop or working accommodations in Manhattan, New York. Address B-4, The Christian Science Monitor, 270 Madison Ave., New York City.

HELP WANTED—WOMEN

NEW YORK CITY—Wanted, neat, experienced colored woman, 2 or 3 times per week. Call Susquehanna 5115 between 9 and 11 a. m.

HOMES WITH ATTENTION

GREEN PASTURES
GREENWICH, CONN.
Rest home, cheerful, charming atmosphere, open fires; best home table and service; attention if desired; 45 minutes by express from New York; 5 minutes' walk from station; opposite church; 2 blocks from shops yet quiet; high elevation. Telephone 2538 Greenwich, Conn., or write for particulars, 303 Milbank Ave.

NEW YORK CITY, 312 Manhattan Ave.—Home with attention, where one may rest and study; cheerful, quiet room. Tel. Monument 3006. MRS. BERTHA ROBINSON.

HOUSES & APARTMENTS TO LET

$50, $55, $60
2-Rooms, Bath, Kitchenette
No. 1144
COMMONWEALTH AVENUE
Very fine house, A-1 references required. Apply to Janitor on premises or
CHAMBERLAIN & BURNHAM, INC.
Managers
294 Washington Street, Boston
Tel. Hancock 0058

NEWTONVILLE, MASS.—Modern upper apartment 7 rooms and garage, convenient to trains. Tel. Newton North 7304.

ROCHESTER, N. Y.—I have had remodeled a large house making one and two-room apartments with kitchenette; just two doors from Third church. Call at 53 Marsh St. Phone Genesee 1540-J.

HOUSEHOLD FURNISHINGS

FOR SALE—Unusually attractive day bed, mahogany spinet desk, perfect condition, very low priced. Call Munro, Sacramento 7500. Apt. 11-I. 141 E. 88th, N. Y. C.

JEWELERS

DIAMONDS, pearls, bought for cash; call or send by mail. WILLIAM LOEB, 516 Fifth Ave. at 43rd St., New York. Vanderbilt 3055.

LEATHER GOODS REPAIRING

EXPERT repairing of trunks, bags, suitcases, umbrellas. COPLEY LUGGAGE SHOP, 63 Huntington Ave., Boston. Back Bay 1225.

MOVING AND STORAGE

J. J. MARTIN
Movers and Packers
PACKING • SHIPPING STORAGE
WEEKLY trips between NEW YORK, PHILADELPHIA and INTERMEDIATE POINTS, goods insured in transit. 4160 Washington St., Boston; Parkway 0180.

LONG-DISTANCE moving anywhere; house-to-house moving, packing, shipping, storing; work guaranteed; 30 years' experience. NEW ENGLAND AUTO VAN CO., 423 Brookline Ave., Boston. Aspinwall 2907; Uni. 9847-W.

OFFICES TO LET

NEW YORK CITY—Practitioner's attractive; front; evenings and Saturday afternoons. Room 1938, 11 West 42nd, Salmon Tower. Chickering 9272.

N. Y. C.—Practitioner's office, 3 mornings, $20 month. 11 W. 42nd St. 1960 Salmon Tower. Chickering 6358.

PAINTING AND DECORATING

WESTCHESTER COUNTY, N. Y.—Painting, decorating, carpentry. T. HARVEY. Tel. Larchmont 2239.

PAYING GUESTS

Hills View CANTON, MASS. (Near Boston)
A Home for those who are accustomed to the refinements and comforts of life.
Tel. Canton 0402-R

SILVER BIRCHES
Lake Ronkonkoma, Long Island
Open all the year. Home-like surroundings for rest, study, and recreation.
Phone Ronkonkoma 16

REAL ESTATE

BROOKLINE
Restricted lots for homes at attractive prices. Two big estates away from the apartment house sections are now being subdivided. Immediate purchasers have the advantage of low opening prices, choice selection and areas cut to meet requirements as long as our engineers are at work. We also recommend these lots for investment.
BONELLI-ADAMS CO.
110 State Street, Boston Tel. Hubbard 6660

New York Suburban Home
Only 10 Minutes from
NEW HUDSON RIVER BRIDGE



West Englewood, N. J.; half hour from 42nd St. Choice homes of six rooms, sun parlor, breakfast alcove, tiled baths; fully improved streets, accessible to everything. All equipped with CRYSTAL BLUE FLAME OIL BURNER and ELECTRIC REFRIGERATOR. Priced from $11,700 to $30,000. As little as 10% down, balance like rent. Also choice homesites.
Hohensee Developments, Inc.
1440 Broadway New York, N. Y.
Chickering 4971
Represented by A. H. Wedelstadt

NEW ROCHELLE, N. Y., Westchester County—Attractive cottage 8 rooms, 3 baths, pantry, garage, oil heater, electric refrigerator; restricted neighborhood near stores, school, high school, trolley, railroad station and sound; plot 145x65. 17 Soundview Ave. Tel. N. R. 2077.

ROOMS AND BOARD

NEW YORK CITY—Refined private family desires paying guest, business person preferred; reasonable. 182 Claremont Ave., Apartment 31.

NEW YORK CITY, 320 Central Park West (92)—Double and single rooms, excellent home table; tourists accommodated. (COUSINS.)

ROOMS AND BOARD *(Continued)*

THE FORBES
3 RIVERSIDE DRIVE
Single, double rooms, newly decorated, with and without bath; reasonable.

ROOMS TO LET

"ASK MISS ROLFE"
THE HOMING REALTY
504 W. 112th St., New York Cathedral 9549

ATTRACTIVE rooms, heated, near bath, in private home, Newton Center, Mass., near depot. Phone Center Newton 0888-M.

BROOKLYN, N. Y.—Double room, steam heat; conveniences; cheerful; accessible; renovated; semi-private house; $8; Nevins St. station; ladies reference. Triangle 5854.

BROOKLYN, N. Y.—Excellent room, private home near subway and Flatbush Ave.; good home cooking; meals optional. Midwood 8359-W.

NEW YORK CITY—Convenient location, near subway and Grand Central trains; bedroom and sitting room, $10 weekly; furnished private house. 4733 Matilda Avenue (near 241st), New York City. Tel. Fairbanks 2328.

N. Y. C., 412 West 110th—Charming, exceptionally large front; two exposures, beautiful view; housekeeping; elevator; ideal location; reasonable. FOSTER.

NEW YORK CITY, 816 West 95th—Charming front double room, elevator, near bath; small single, running water. BOSHELL, Riverside 6176.

NEW YORK CITY—Beautiful furnished large room, all conveniences; private; reasonable. 3 West 108th St. Phone Academy 0286. SCHIFFER.

NEW YORK CITY—Sunny bed-sitting rooms, business people; splendid location; elevator; references; near church. Tel. Cathedral 6312.

N. Y. C., West 55th St.—Desirable room, in attractive apartment; exceptional opportunity. Phone for appointment. Circle 7897.

N. Y. C. (1366 St. Nicholas)—Clean, well heated, elevator, kitchen privileges, $7.50-$9.00. Phone mornings, Washington Heights 0309.

NEW YORK CITY, 540 West 122nd St.—Sunny front room, single or double; also single room; moderate price. Apply 3-B.

NEW YORK CITY, 532 W. 111th, Apt. 66—Light, warm, single, private bath, kitchen, laundry privileges; $10; woman.

NEW YORK CITY—Desirable home atmosphere; private, shower, kitchen privileges, 611 West 113th St., Apt. 23.

NEW YORK CITY, 70 West 51st—One and two rooms with private or semi-private baths. Tel. Circle 3406.

WOLLASTON, MASS.—2 rooms, with or without kitchenette, furnished, in private home; heat, gas, electricity; adults. Granite 1570-W.

SITUATIONS WANTED—MEN

ADVERTISING MANAGER—All the experience, proven ability and enthusiasm that a young advertising man possesses is available to a small company whose business needs stimulation through effective advertising; now with leading Boston agency; moderate salary; college graduate. C-6, The Christian Science Monitor, Boston.

TRAFFIC MANAGER—Experienced domestic, foreign; in or commuting New York City; references. Box D-4, The Christian Science Monitor, 270 Madison Ave., New York City.

SITUATIONS WANTED—WOMEN

JERSEY CITY, N. J.—Part-time housework in homes where experience would be appreciated. MRS. WENDLING, 103 Summit Ave.

LADY, experienced, practical, cheerful, refined, desires communication with one needing care. In or out city. Triangle 5854, Brooklyn, N. Y.

MIDDLE-AGED woman, good seamstress used to dressmaking, smocking and embroidering, would like steady position with dressmaker or in factory. MRS. MOLINI, 204 Main St., Toronto, Ont. Phone Howard 1658.

REFINED middle-aged lady desires position as attendant-companion or housekeeper; efficient; free to travel. Box P-1, The Christian Science Monitor, 270 Madison Avenue, New York City.

YOUNG LADY, well educated, speaking English, French, Spanish and Italian, and having lived in Europe and South America, desires position as companion-guide to party visiting these countries. Box W-3, The Christian Science Monitor, 270 Madison Avenue, New York City.

SOLOIST WANTED

SOLOIST for Christian Science church (northern N. Y. City suburb); state experience, church affiliation, salary desired, and give references. Box F-1, The Christian Science Monitor, 270 Madison Ave., N. Y. C.

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Exclusive Shoes for All Occasions
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of high-grade manufacture throughout and complete school outfits at
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TEA, DINNER
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Costumes, Coats, Furs
Blouses, Millinery
School & College Outfits for Boys & Girls.
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FOR DAINTY LINGERIE, GOWNS, COATS, HOSE, HANDKERCHIEFS, ETC.
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Eggs for Hatching
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DIAMOND MERCHANTS, JEWELLERS & SILVERSMITHS
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England

CROYDON (Continued)

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Special Millinery designed and made to order in our own Workroom.
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UNDER CITY HEADINGS

England

HARROGATE (Continued)



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All the Newest Fabrics for Loose Covers & Window Drapery
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New & Exclusive Goods and Garments for Early Spring
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Practical advice—Individual interest and attention given.

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Exclusive in design, by makers of repute.

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Finest Irish, Wiltshire, Home-fed Hams & Bacon
Home-made Table Delicacies & Cooked Meats. Best steak minced for sandwiches (very nourishing). Finest Scotch & English Beef & Mutton Dairy-Fed.
Orders taken for meat joints, etc., at Market Avenue.
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Courtesy—Service—Value guaranteed

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FRENCH MILLINERY
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TAILOR
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Fittings in KINGSTON by arrangement

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Jumpers and Washing Dresses
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Floral designs at shortest notice
Clubs & Hotels supplied.

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"A real service at a moderate charge"

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The Fashion Centre of Yorkshire
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3 Doors Below Grand Theatre

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We Specialise in Repairs
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25 YEARS WITH THE GRAND PYGMALION
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Prompt attention to large or small orders
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All Fancy Work Hand Done
MRS. COPP, Proprietress

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Quality Groceries and Provisions
Home-made cakes & pies.
Speciality Confections.
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For Ladies' & Gentlemen's Exclusive Footwear
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LADIES' MODEL GOWNS, COATS, HATS, etc.
Specialist in Sports Wear
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UNDER CITY HEADINGS

England

LIVERPOOL (Continued)

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HALF YEARLY
SALE
To-day and Daily to the 26th January
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9-19 BOLD ST., LIVERPOOL

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LEE and COMPANY LTD
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In the north of England the word Fashion and the name of Lee are synonymous. Lee's, too, stand for all that is best in Service and Quality of Merchandise.

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THE STORE OF FINE QUALITIES AND MODERATE PRICES

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FIRST FOR FASHIONS, FABRICS, FURNITURE, *and* FURNISHINGS
OWEN OWEN Ltd.
CLAYTON SQUARE, LIVERPOOL

All the New Books
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Christmas Cards, Calendars and Art Booklets in great variety
Gift Stationery in Fancy Boxes from 1/- to 6/- per box
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New Branch
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MILLINERY, GOWNS, BLOUSES and LINGERIE
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TYPEWRITER SPECIALIST REPAIRS
Ribbons, Carbons, etc., Fountain Pens
Six Ways MALVERN Phone 343

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THE QUALITY FORD
The Luxury Car
14.9 H.P., £15 TAX, you will be proud to own. Order now from
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Telegrams "Quickly Manchester"
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PIANOFORTE SHOWROOMS & GRAMOPHONE LOUNGE
Organised Service of GRAMOPHONE RECORDS
Music Rolls, Library and Sheet Music
Tuning and Repairing—Town or Country
Kindly ask for Catalogue.
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Agency for
"K" SHOES
Exclusively British made
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Repairs done on the premises same day if required.

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Umbrellas re-covered in half-an-hour
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Established 70 years
Truck loads to country stations.

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Branches:
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UNDER CITY HEADINGS

England

MANCHESTER
(Continued)

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44 BRAZENNOSE STREET
MANCHESTER
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Telegrams: "Creative, Manchester"

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Church Furnishers
Hymn Boards & Cards
Offertory Bags

St. Mary's Parsonage
Manchester
Tel. Cen. 4853

A. ROLL'S RESTAURANT
ALBERT SQUARE
(entrance 44 Brazennose St.)
ALSO
SQUIRREL RESTAURANT
29/31 Oxford Street (Proprietor, A. Roll)
Two very popular restaurants catering for the refined taste of Ladies & Gentlemen at moderate charges.
Open from 11 a. m. to 11 p. m.
No music. No dancing.

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SLATERS TAXIS
Phone 200 Central
PRIVATE CARS
PUBLIC GARAGE
Open Day & Night (Near Grand Hotel)
Haymarket Lane
Phones 200, 242, 1229 Central

Gown and Sports Wear Specialist
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ELLISTON & CAVELL Ltd.
OXFORD
Complete School Outfits for Boys & Girls
See our advertisement on another page

LILIAN ROSE
GOWNS and MILLINERY
for all occasions.
Coats, Costumes, Blouses, Knitwear and Hose
THE ARCADE, CORNMARKET
Tel. Oxford 3328

WILLIAM BAKER & CO. Ltd.
Broad Street Corner
HOUSE FURNISHERS
have one of the largest showrooms for beautiful China & Glass to be found in the Provinces.

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One of the nicest Cakes in the World is ROYAL BALMORAL. Acclaimed by Royalty. Made in four sizes by
EVANS & SONS
ONLY
THE LEADING CONFECTIONERS PAIGNTON

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WHEN
You want anything to wear that is new and fashionable or anything for your home that is reliable and artistic
GET IT AT
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Bedford Street, Plymouth
Phone 803

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BUILDER
Art Decorator Hot Water Fitter Surveyor
A. CLAYDEN
Paradise Road, Richmond
Tel. Richmond 732

BURGESS LAUNDRY
103 WALMER ROAD
North Kensington W. 10
Phone: Park 7211
M. E. REPTON, *Manageress*

UNDER CITY HEADINGS

England

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ERIC BAMFORD
PAINTER and DECORATOR
260 Whitworth Road, Rochdale
Artistic and Efficient Application of the Craft in all its branches.

S. & S. SENIOR
Ladies' & Gentlemen's Tailors, & Gentlemen's Outfitters
Corner of Yorkshire St. & Baillie St.
Rochdale Tel. 3931

Misses CARTWRIGHT
261 Oldham Road, Rochdale
MILLINERY, GOWNS, COATS
A Good Selection of Winter Gloves

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FREDK. E. HANDS & SON
High Class Boot & Shoe Makers
Agents for: "K," "Lotus," "Delta," "Start-Rite," "Norvic," "Selberite," "Arch-Preserver," "Mascot" Shoes, &c.
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Telephone 377

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for Quality Groceries and Provisions
12 Market Place, Rugby
Chivers Specialities Stocked

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T. BENNETT
Fruiterer & Florist
60a Victoria Road Orders sent

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in MUSIC and WIRELESS
Highest quality at Lowest possible prices.
Highest references for Tuning & Repairs.
JOHNSON'S MUSIC STORES
Phone 106 Dorset St.

WHYNTIE & CO.
Phone: 89
Drapers, Clothiers & Milliners
"Aquatite" Raincoats
114 to 118 High Street, Sevenoaks

THOMPSON & FOX
14 London Rd. and
75 High Street. Phone 561
Cycle, Wireless, Gramophone, Baby Carriage & Toy Agents

FRENCH'S DAIRY
Phone 388 Tubs Hill
Rich milk twice daily from the famous Caiehill Park Herd of Guernsey Cows Fresh and clotted cream, fresh butter, eggs, etc.

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HIGH STREET
LOTUS, DELTA,
"K" SHOES
Exclusive Gowns & Millinery

MADAME WATTS
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Phone: Sevenoaks 119

W. TEBAY & DAUGHTERS
98 High Street Phone 358
Florist, Fruiterer and Greengrocer
All Floral Designs

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Established Over 150 Years
THOMAS PORTER & SONS
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FAMILY GROCERS
PROVISION MERCHANTS
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Always a Choice Selection to be seen in our showrooms.
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and Ventilating Engineers
ALFRED GRINDROD & Co.
122-126 Charles Street, Sheffield
Telephone 20790

COCKAYNE
Telephone 22231
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Building, Plumbing and Painting Contractors
MELLING BROS. Ltd.
Reg. Office, Balfour Road
Telephone 41535. Estimates free.

DAIRY PRODUCE
E. Smith,
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Pork Products
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Central 26144

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All kinds of Copying work neatly done. Typists and Shorthand-Typists supplied. Day and Evening tuition.
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Specialists in Boys' Wear *Complete School Outfits*
Stewart & Stewart
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Tel. 21597

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Stationery and Books
Students' Supplies etc.
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UNDER CITY HEADINGS

England

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DAILY FEATURES

Odds and Ends

Poor Travelers' House

In the High Street of Rochester, England, is a house where, every night since 1579, six "poor wayfaring men" have been given supper and lodging for the night. This is following the directions in the testament of a Rochester merchant, Richard Watts, who bequeathed for this purpose the rents of certain lands then producing some £36. The ground has appreciated so much in value that the income is much greater today.

Lexington Intelligencer: When motor traffic gets a little thicker, the pedestrian can cross a street by leaping nimbly from roof to roof on the closed cars, like Eliza crossing the river on the ice.



BONNETS FOR ICE CREAM CONES

A Pittsburgh man has invented a cap for cones which not only keeps the ice cream from melting rapidly but protects it also from dust and dirt. The cap is made of the same material as the cone and may be eaten.

Louisville Courier - Journal: There's no escaping some things. Applause or no applause, some of these speaking movie vaudeville performers insist upon giving encores.

Smithsonian Institution

The Smithsonian Institution at Washington, D. C., was established under the terms of the will of an Englishman, James Smithson, who, in 1826, left his fortune to the United States to found an institution for the "increase and diffusion of knowledge among men."

Philadelphia Inquirer: Figuring one oyster to the usual gallon of liquid, some of us always felt that Chesapeake Bay water would make a fair commercial stew.

First Cellulose Yarn

It is to the Frenchman, Count Hilaire de Chardonnet, who showed at the Paris Exhibition of 1889 a cellulose yarn, that we owe the rayon of today; his process has been developed to its present perfection.

Detroit News: It is generally understood that in Utopia all hands are in hearty agreement as to the site for any new post office.

Vanilla

It is from the dried pods of a species of orchid, a climbing vine, native of Mexico, that we get vanilla, so much used for flavoring.

Judge: Lots of times our car startsoflikethis.

Rare Gems

Australia is the only country in which black opals are found.

The Monitor Reader

These Questions Are Based on Material in the Last Issue. They Are Answered in Another Column in This Issue.

1. What great improvement will talking pictures bring to the small town theater?—*News Section* 10
2. How much postage was required to send a small boy on a journey by air mail?—*Children's Page* 10
3. What artist has revealed the beauty of vegetables in his paintings?—*Art Page* 10
4. What is recommended for the man who seems oppressed by petty failures?—*Mirror of World Opinion* 10
5. How many letters has "Roxy" received from his radio audience?—*Radio Page* 10
6. What amount has been given to educational and philanthropic activities in the United States during the past two years?—*Editorial* 10
7. What would be the result if industry were governed by the ideals of the New Testament?—*Sayings* 10
8. How did Europe help in the upbuilding of the United States before the World War?—*Editorial Page Feature* 10
9. What is the meaning of "profess"?—*Word a Day* 10
10. What is the only successful way to salvage the submarine?—*Editorial Notes* 10

Grade Yourself. What Is Your Percentage?

A Word a Day

Understanding

This word suggests clear comprehension and sound judgment. It denotes the power to distinguish truth from falsehood, and in its largest conception embraces the entire faculty of perceiving and conceiving.

It is a good, solid, Anglo-Saxon combination, orginally written *understandan*, literally "to stand under," hence "to comprehend." One who stands under anything has the opportunity to observe the foundation and superstructure — the whole scheme of reasoning and its parts and relations accurately fitted together. The wise buyer of a building first goes down to investigate the foundation, and the wise thinker goes back to fundamentals. And thus one who would understand man must investigate God, who made man in His image.

In a simple way we may say that understanding is clear knowledge. Going a bit further in this direction, we find that a mutual agreement, an adjustment of facts in hand, may be called an understanding.

The third syllable of un-der-stand'-ing is accented. Sound *u* as in *up*, *e* as in *maker*, *a* as in *am*, *i* as in *it*.

"Hath given us an understanding, that we may know him that is true."

Note: Webster's first choice is accepted as authority for pronunciation.—Ed.

What They Say

Randall J. Condon: "Teach reading, writing and arithmetic—but not as fundamental, except as in the learning one is taught to read fine things, to write beautiful thoughts, and to know that the sum of one's happiness cannot be obtained by subtracting from others."

Dr. James Baillie: "We do not sufficiently realize how much the thoughts and desires indulged in or cultivated during leisure react upon a man's whole outlook on his life and daily duty, whatever his duty be."

Stanley Baldwin: "I think the influence of great literature on both sides of the Atlantic, if we read wisely, may be a far better means of interpreting one to the other than can be accomplished by either politicians or the press."

Philip Kerr: "Human progress depends more on raising the thinking power of the people than on any government in the world."

George Bernard Shaw: "Some people are born with a terrible desire to be laughed at; this has prevented me from being a great author."

Colonel Wedgwood: "We can pay too big a price for efficiency."

A Quotation for Today

THE less there is of fear so much the less generally is there of danger.—LIVY

In Lighter Vein

First Guess!

The inspector, who had just returned from the Isle of Man, was examining the girls' class in geography.

"Can you tell me what island there is off the English coast which from its name you would judge to be inhabited by people of the male sex only?"

"Please, sir, the Scilly Isles," replied a girl, promptly.—*Tit-Bits.*



Life

"Is she singing in English?"
"I don't know. Look at your program."

But Not Working

"How long has that man worked for you?"
"Perhaps 45 or 50 days."
"It seems that I've seen him here for years."
"Oh, yes, he's been with us since before the war."

Aha!

The freshman across the hall says he likes his new topcoat very much, only he can't get used to the wood across the shoulders and the hook keeps pushing his hat off.—*Lehigh Burr.*

Nothing Stirs

Tourist: "Rather quiet here, isn't it?"
Marshal (of Restville): "Yeah, even the unexpected doesn't happen here."—*Capper's Weekly.*

Will It Come to This?

"Any ice today, lady?"
"Yes, but I can't decide whether I want lemon or orange."—*Middlebury Blue Baboon.*

Dessert in Kind

"Let's have sea food for dinner tonight."
"Good! I'll bake a sponge cake, too."

Why Not?

Teacher: "Johnny, how many are three and four?"
Pupil: "Seven, but I thought a teacher would know that!"

Immaterial

"I want some notebook paper."
"What size, please?"
"Oh, I don't care. Just so it fits."—*Yellow Crab.*

Couldn't Use the Car

James: "How did you like Venice?"
Archibald: "I only stayed a few days. The place was flooded!"—*Auckland Weekly News.*



"I Record only the Sunny Hours"

Courtesy

Alexandria, Egypt

WHILE in London recently the writer wished to purchase a fine lingerie set of collar and cuffs for immediate wear. Unfortunately the set which pleased her most was crumpled, and she explained to the assistant that being in a hotel and constantly on the move it was not easy to have them ironed.

The assistant immediately offered to run up to the tailoring department and press them out herself, which she promptly did. On returning with them beautifully freshened and pressed she said in a sweet, shy way: "I know how awkward it often is to get things pressed in hotels here, and how very expensive. If you have anything while you are here that needs such attention I would be so glad to do it for you—I have an electric iron in my room and it would be no trouble at all."

The writer was so touched by this kindly thought, and the way the help was offered to a total stranger, that the fragrance of it went with her all the day and seemed reflected everywhere in kindly smiles and actions.

The Busy Newsboy

FROM Miss M. W. Y., Regina, Sask., comes the story of a small newsboy who had been given a quarter by a woman for carrying her heavy suitcase from the railroad station to the near-by street car stop. On discovering she would have a long wait, she decided to go to another line five blocks away. As she trudged down the street she heard a cheery voice say, "Let me help you, lady," and there was the small lad again. "What about your papers?" she protested. "Oh, that's all right," he replied, "you gave me enough, anyhow." And on he went with her suitcase—almost as large as himself—refusing to relinquish it until she was aboard her car.

The Children's Corner

Sunset Stories

The Twins Get Lost and Found

POLLY PEN was a pale green fountain pen, neither too large nor too small, but, in fact, just the right size for Somebody. Priscilla Pencil was a pale green everfill pencil, neither too large nor too small but in fact just the right size for Somebody. They were twins, you might say.



They Found Themselves Being Claimed by Somebody in the Third Grade.

"Why, they are as like as two peas in a pod!" exclaimed Mrs. Wacker when Mr. Wacker came in out of the storm with them in his pocket.

Nor could you, Polly Pen and Priscilla Pencil looked as much like each other as it was possible for a pen and a pencil to look. They lived together in a pale green box. And the fact was they could not remember a time when they had not lived in it. When they had first begun to notice things they were in it, side by side, in a large store. Then they had made a long trip on the train in it; then hung on a Christmas tree in it.

That was the day they were taken out of it for just a wee-wee minute while Somebody cried, "Oh, the darlings—just what I wanted—I'll use that one for figures and this one for compositions—thank you, Daddy."

They had been carefully put back again while Somebody went out to try the new skates and there they had stayed for days and days with no attention of any kind. Today, however, they had felt important and excited when Somebody had come hunting for and started off with them to school. Maybe now—but here they were still in the box and no nearer school than ever. And there they were found by the truckman, Dan.

"Where did you find them, Dan?" asked jolly Mrs. Wacker, continuing to hold them in her hand.

"Right at the corner of the Drive, Annie, sticking back by the lilac bush and half hidden by the snow."

"Must belong to one of the children at the Lakeside School. Aren't they pretty, though? I shouldn't wonder if they were Christmas presents. Suppose you leave them at the school as you go back to work, Dan."

"Just as you say, Annie. Shall I bring you a set just like them?"

"A set just like them for me!" laughed Mrs. Wacker. "And what would I be doing with them, Man? A plain pen is good enough for me with my sprawling handwriting. I'm glad to have seen the pretty things, though. Children nowadays ought to learn faster with all the inducements they have."

Soon Polly Pen and Priscilla Pencil found themselves being left at the door of the Lakeside School. Soon they found themselves being claimed by Somebody in the third grade. "Oh, my darlings," whispered Somebody when the box was opened at last, "I thought you were lost forever. And here you are just in time for the writing practice, my dear, dear twins."

So Polly Pen was taken from the box first and was glad to show just the kind of a pen she was. And then there was just time left for Priscilla Pencil to do a little figuring before the school day was over. They felt as important and as happy as a pen and a pencil could when they were put back in the box again, looking like two pale green peas in a pale green pod.

These United States

Rhode Island

The colony of Rhode Island was founded on the basis of absolute religious freedom for all men. It is the smallest of the states and was the last of the original 13 colonies to be formed. Providence, founded in 1636 by Roger Williams, grew rapidly, as it was the only settlement in New England that tolerated every form of religious belief. Two years later Portsmouth was settled, while Anne Hutchinson and her followers founded Newport in 1639. Warwick, the last of the four early settlements, was founded in 1643.

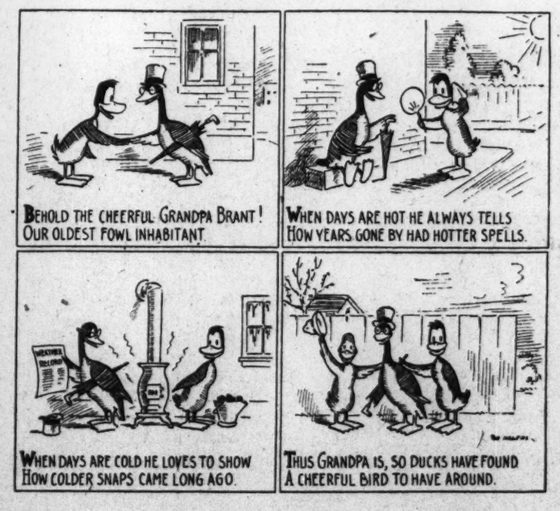
In 1663 all four settlements were united. For a long time the legal name of the colony was "Rhode Island and the Providence Plantations." Two capitals were once maintained, namely, Providence and Newport, the Legislature meeting in them alternately, but Providence was later selected as the capital.

The first cotton spinning works of the United States were established in Pawtucket in 1790. Newport has been for many years one of the most famous of America's watering places. Brown University, founded in 1764, is located at Providence, where there are also large woolen mills and jewelry factories.

The state seal is that of a shield in mid-ocean with a large anchor drawn on it, and above is the state motto, "Hope." The state flower is the violet and the state nicknames are "Little Rhody" and "Plantation."

Rhode Island is 48 miles long and 37 miles wide.

The Adventures of Waddles



THE CHRISTIAN SCIENCE MONITOR

BOSTON, TUESDAY, JANUARY 15, 1929 — *"First the blade, then the ear, then the full grain in the ear"* — PUBLISHED BY THE CHRISTIAN SCIENCE PUBLISHING SOCIETY

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All communications regarding the conduct of this newspaper, articles and illustrations for publication should be addressed to The Christian Science Monitor Editorial Board.

EDITORIALS

A Pan-American Precedent

FRANK B. KELLOGG, United States Secretary of State, has described the two multilateral treaties, arbitration and conciliation, just signed by twenty American republics as "the most advanced and complete ever adopted by the nations of the world."

In making this statement, Secretary Kellogg had four things in view. First, the Pan-American arbitration treaty embraces a wider scope of questions than nations have hitherto ever been willing to arbitrate. It exempts from arbitration only domestic questions and those referring to third parties, thus going even further than the model arbitration treaties just completed with France, Germany, Italy, and seven other countries.

Secondly, the arbitration treaty does not require the approval of the Senate for each specific arbitration case. President Roosevelt described the Senate amendment which required special agreements for each arbitration case as giving "an impression of trickiness and insincerity." "It is mere nonsense," he said, "to have a treaty which does nothing but say that whenever we choose there shall be another arbitration treaty. . . . I should prefer to withdraw the treaties and simply say that the temper of the Senate is hostile to arbitration." The treaties were not withdrawn, however, and John Bassett Moore described them when finally amended as making it "more difficult to secure international arbitration than it was in the early days of our independence." The retrograding clause referred to, for the first time in twenty years, has been eliminated from the new arbitration pact.

Thirdly, the arbitration treaty has attached to it a protocol for progressive arbitration, which is the first of its kind passed in the history of the world. It provides that nations making reservations to the new treaty may withdraw them when public opinion becomes strong enough to permit such a change.

Finally, the conciliation treaty adopted by the Pan-American conference goes one step further than any other conciliation pact by providing that the commissions of inquiry set up under the Gondra Treaty, which arranges for the investigation of any dispute between American nations by such commissions, may initiate conciliation. Heretofore conciliation bodies functioned only at the request of interested parties which were on the verge of hostilities, but they could not themselves take a hand in the dispute unless invited. The present Pan-American Conference established a precedent when it took the initiative in preventing hostilities between Bolivia and Paraguay, and hereafter it will always be possible to intervene between two hostile American nations, even when that intervention is most unwelcome.

It is to be regretted that so many Pan-American states felt it necessary to attach reservations to the treaty. The reservation stating that no disputes which have their origins in the past should be arbitrated was the most damaging of all, since practically every important dispute in South America arises from a question having its roots in the past.

So far as the precedent that has been thus established is concerned, it may be said that never before has the Pan-American Union been willing to deal with an important political question. It has devoted itself energetically to dissemination of commercial and cultural information between the American states. It has distributed stereopticon slides of Paraguay and Uruguay and other American nations to women's clubs all over the Western Hemisphere. It has held Pan-American musical concerts and it has protected trade-marks, and copyrights and patents. But hitherto it has shrunk from any problem which might involve it in a difficult political issue.

The precedent established by the successful intervention between Bolivia and Paraguay, therefore, justifies Secretary Kellogg in saying, "This conference will go down in history."

Mr. Justice Taft and the Criminal

CHIEF JUSTICE TAFT, in recent interviews, has added to his own past criticism of the administration of criminal law in the United States. The question arises whether his words do not warrant a searching investigation of the whole matter of criminal procedure, to be conducted on a national basis and under official auspices. Year by year the Chief Justice has pointed out one or another weakness in the criminal law, and he has employed words that would seem vehement from such a source if the facts were not so generally accepted among all the legal fraternity.

Justice Taft has applied the word "disgraceful" to present criminal procedure, and now he is represented as speaking of the "crisis" that has arisen from disrespect of law, and from the inability of police and courts to check crime.

Specifically, the Chief Justice urges two remedies: first, to increase city and state police forces in order to catch criminals, and secondly, to improve the jury and judicial system in order to keep the criminal in prison, once he is caught.

Most American cities are underpoliced. Justice Taft is not the first man to point this out. Take New York, for instance. It has one policeman to every 446 residents, while London has one to 365, and Berlin one to only 225. Even these figures do not tell the whole story, for an exceptionally large detail of the New York force must spend its time on traffic duty instead of in detecting and preventing crime. What is true of New York is true of many other American cities. Furthermore, the police are frequently, perhaps generally, underpaid. The average policeman gets about one-half the pay of a skilled artisan, it is computed, so that if a policeman's brother, for instance, is a bricklayer, the officer is very likely to envy him.

The jury system is another institution which the Chief Justice would look into. Recent notorious cases have raised the question in some quarters whether the jury system is not breaking down. The fact often is that, where a miscarriage of justice occurs, the failure arises from the inability of a judge to guide and direct the course of a trial, because of strict rules of procedure. The layman is apt to blame delays in the law, as well as its failures, entirely on bench and bar. But the rules which prescribe the exact manner in which criminal trials are to be held are made—for the state courts—by the local legislatures. The judge must obey these statutes or be reversed by a superior court, and he frequently finds his hands tied or, when he would explain some simple matter to the jury, his mouth closed by some inflexible rule.

The time seems ripe for Congress to look into the conditions which the Chief Justice has mentioned. Cities and states over the country have for some time been conducting independent "crime surveys"; now it is high time for the work to be correlated in a national study.

Cruisers and a Conference

AN AMENDMENT to the cruiser bill offered by Senator Borah should go far toward allaying hostility to that measure. It reads:

> First. That the Congress favors a restatement and recodification of the rules of law governing the conduct of belligerents and neutrals in war at sea.
>
> Second. That such restatement and recodification should be brought about, if practically possible, prior to the meeting of the conference on naval limitation in 1931.

While merely an expression of the Congress of the United States on a subject which can only be determined by international action, this utterance is of extreme importance since it goes to the very bottom of the need, not only for the proposed fifteen cruisers but for any considerable navy at all.

Since the earliest days of its existence as a nation, the United States has differed sharply with Great Britain on one question of international maritime law.

It has been the historic contention of the United States that in time of war neutral ships made neutral goods, and that a neutral nation possessed the right to trade with a belligerent unvexed by interference from the armed ships of the other belligerent. This doctrine has always been qualified by recognition of the right of a belligerent to declare certain articles contraband of war, and therefore seizable, and after proclaiming certain enemy ports in a state of blockade to enforce that blockade against all comers.

It is proper to note that, when itself engaged in war, the United States has paid but the slightest respect to the rules which in time of peace her representatives have advocated. In the days of the Civil War her diplomatists invented the theory of the "continuous voyage" which returned to harass them in 1914, and when once embroiled in the World War her naval forces employed precisely the methods which the United States Government condemned when used against American vessels by Great Britain.

Moreover, in the World War the list of contraband of war was so extended by the chief belligerent as to comprise practically every article of commerce, while blockades no longer were limited to specified ports or coast lines, but were enforced in every part of the open sea. The war thus ended with maritime law in an inchoate state, with no clearly defined code to which neutrals could appeal.

Such a condition clearly menaces the peace of the world. It makes possible the spread of a small local conflict so as to embroil all maritime nations. It can be corrected only by a restatement of law concerning the rights of neutrals and belligerents on the high seas. Many changing conditions tend to make the interests of Great Britain and the United States in this controversy more nearly identical than ever before, and an international convention may well lay down rules acceptable to both.

Sauce for the Goose

THE logic of the proposition that the buyer of intoxicating liquor is equally a lawbreaker with the seller can certainly be said to be gaining ground among enforcement officials when the police head of a large city sets it forth and urges punitive legislation accordingly, as has Herbert A. Wilson, Police Commissioner of Boston. It is likely to gain further ground in public opinion and in legislatures if it is often stated as pointedly as it was by Mr. Wilson.

"If the illegal purchase of liquor," he said, "were made a criminal offense, as is the illegal sale, considerable caution about violating prohibitory laws would be exercised by citizens who look for the strict enforcement by the police of all laws protecting lives and property."

The more impressive for its restraint, this statement would be a worthy candidate for another $25,000 Durant prize for a method of making prohibition fully effective. If such a prize, however, were divided among all who have urged or approved the proposition, it might have to be distributed in pennies, starting with some temperance worker of years ago and coming down to the Philadelphia judge who recently convicted a liquor purchaser of conspiracy.

An equally important, if not more important, step may be deduced from the commissioner's implication that some persons still assume a distinction between "prohibitory laws" and "laws protecting lives and property." That step lies in educating the people as to the tremendous degree in which prohibition has protected and is protecting their homes and adding to the fullness of their living.

The so-called "laws protecting lives and property" are all "prohibitory laws" of some kind; and it is equally a fact that the so-called "prohibitory laws" are "laws protecting lives and property." Enforcement will cease to be a problem when every person realizes that a law forbidding him to purchase alcoholic liquor is a law for the protection of his happiness, usefulness and prosperity.

Forensicality Supreme

WITTENBERG COLLEGE, which is located in Springfield, O., has a new recipe for making debaters. It has the old-time method of practicing before a mirror shelved and labeled obsolete. Wittenberg College has discovered a mass production method that has resulted in turning out not only quality debaters but also winners in their contests with other colleges and universities. In the first place the candidates must be well prepared with facts and skilled in logic. Then Wittenberg takes a heaping dozen of them and after a thorough mixing places them in a room together, with orders to "talk their heads off." Each has his little speech and each proceeds to make himself heard. The greater the noise and confusion the more vigorously does he seek to drown out his competitors.

When the candidates have advanced sufficiently to be able to maintain consecutive speech under these distracting conditions a few more ingredients are poured in. Hecklers are introduced in sufficient quantity to provide a proper amount of increase in dissonance, and to further embarrass the speakers a few chairs are tossed in the air. Trained listeners are dropped in from time to time and their efforts to disconcert the speakers consist largely of inopportune but none the less demonstrative applause.

This recipe is said to have resulted in a product from which such undesirable elements as embarrassment, hesitation and other manifestations of the budding orator are almost, if not entirely, eliminated. It is clear that when candidates are able to pass creditably a test of this nature they are ready to don the traditional habiliments of the seasoned debater and enter the public forum.

Morality and Art

IN A recent lawsuit arising out of the banning of a novel by a well-known writer, it was repeatedly suggested that in a work of literature high artistic merit is a sufficient answer to a charge of immorality. The idea that art and morality have no logical connection is a widely held view and would, if officially accepted, greatly modify the working of that law of libel which, in the absence of a censorship, is the only protection against the abuse of unrestricted freedom of speech that Great Britain permits herself. The question it raises is therefore of utmost importance.

It is to be noted that the laws of art, unlike the laws of the state, are not regulations laid upon the artist by some external authority; they are only deductions from the general practice of artists. A logical argument, therefore, that art and morality are unrelated things, because they fulfill different functions, is entirely beside the point, since it ignores the only proper way by which the laws of art can be discovered, that is, by examination of works of art themselves. In the Greek world the fact that Aristotle said that the moral criterion was irrelevant to art should in consequence have little weight; but the consideration that the Greek tragedians, much as their productions differed in every other way, agreed that the function of art was "to make men better in some respect," and so rendered their work a reflection of Greek religion at its best, is of the utmost importance. Indeed, so far as the ancient world is concerned, it represents a conclusive argument; for Aristotle merely wrote about literature; but Æschylus, Sophocles and Euripides were its founders.

None of the greatest names in English letters can be used to reinforce the theory that the laws of art are incompatible with those of morality; while an exclusive interest in the moral aspect of things has actually contrived to bring many of them—Cranmer, Bunyan, Shelley, Carlyle, Shaw—nearer to the ideal of artistic perfection than any of those writers who preach "art for art's sake" ever came. Yet the fallacy that normal virtue is inimical to art still persists, and a famous critic can speak of "the prison of Puritanism," apparently forgetting that there is owed to the most theological of Puritans one of the greatest literary achievements of the modern world.

Inquiry would suggest that, far from being an enemy to art, preoccupation with morality in the widest sense of the term is one of the surest paths to literary distinction. It is instructive to note that two writers, long separated in time, who enjoy a great reputation for sheer literary virtuosity—Plato and G. Bernard Shaw—hold that such skill is nothing except as a help to high and just living. Now, as always, the manner is less vital than the matter, and what one says is more important than the way one says it.

Editorial Notes

"A blackbeetle scuttling out of a lighted room," was Lord Buckmaster's description of the pedestrian's position among the automobiles on the roads in Britain today. He was supporting a bill, introduced by Lord Cecil of Chelwood, to which a second reading was accorded, to make the highway safer by penalizing dangerous driving. Lord Cecil's proposals included the digging of trenches outside villages to compel automobiles to slow down on entering them.

Another indication that times have improved may be gleaned from an item in the Missouri Pacific Line Magazine, which states that "the genus hobo of the old style, who begged his food at back doors and traveled in 'side-door palace cars,' is practically extinct."

Most teachers in New York who quit pedagogy do so, it is shown, to better their positions. It would be interesting to know how many return to teaching after a fair trial at something else.

La Propina

MY FRIEND seemed to me somewhat unnecessarily lavish in his tips. I pointed out that he was spoiling the market and he admitted a long-standing responsibility in this respect. "Yet if you have received, you must give," he said, adding that he had a soft spot in his heart for the Spanish waiter. I was interested in his story, for only that morning, at the Café Cristina, a smart young fellow in well-cut black clothes and short white apron, with whom I had been chatting in my raw Spanish, stayed my hand as I brought it out of my pocket, full of coppers. Politely and with dignity he indicated, as if from a Spanish gentleman to a foreign guest and stranger to his land, that twenty centimos was an ample tip for the service he had rendered to me; that indeed there was no need to give more. His quixotic attitude toward a question seemingly so vital to the unpaid waiter was fresh and stimulating.

My new friend, a traveler of much experience, related how he found himself, at a time when the Great War had thrown many things out of gear, stranded high and dry in a small fonda at Seville. Though the summer was well advanced, September in Seville, the frying pan of Europe where the natives declare that one can boil an egg hard on the dry pavement, offered few attractions to a man who, having had his fill as a tourist, was waiting impatiently for a remittance of funds.

The town was crowded with visitors, chiefly farmers from the outlying districts, attending the annual agricultural fair. Traveling lightly and economically, he had taken up his abode in a clean and quite respectable Spanish hotel where, however, he was obliged to share his room with another guest. The movements of the latter, a commercial traveler of uncertain nationality, struck him as peculiar. Like himself, he seemed to be at a loose end.

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The expected remittance of funds from Lisbon, a matter of several thousand pesetas, was now well overdue. Inquiries by post and telegraph remained unanswered, and thus a fortnight, which seemed much longer, dragged by without a change in the situation, except that the hotel account kept rising daily. A crisis seemed inevitable which might at any moment lead to a transfer from the fonda to the local jail. Yet a matter of vital importance for his future demanded his presence at Lisbon, where a ticket awaited him for his voyage to South America.

In Seville he was unknown, without friends, and even the Consul, hardened perhaps by experience, turned a deaf ear to his explanations beyond the usual offer to send a telegram to his home, of which he could not avail himself. His funds were now so low that even the purchase of a third-class ticket was beyond his reach, and thoughts of a missed boat and the possibility of losing his new appointment began to fill him with despair.

There was then no alternative but to make a clean breast of it to the hard-faced woman who kept the fonda. But even if she allowed him to depart, where was he to find money for his railway fare and for the purchases his new chief in Buenos Aires had commissioned him to make? He felt he was in a pretty mess.

One baking afternoon, on strolling into his room at the fonda, he found his impressions with regard to his unknown companion confirmed. The concierge of the fonda, standing with arms akimbo, his black Cordoba hat tipped back until its flat brim stood perpendicular, was gazing ruefully at the contents of a large trunk, which, having been forced open, proved to hold nothing but worthless samples. The commercial traveler, it appears, had departed leaving a month's bill unpaid. Readjusting the angle of his hat, the hall porter, protestingly, but without much of a fuss, explained that the proprietress held him responsible for the unpaid accounts of defaulting guests.

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He was a typical swarthy Sevillian, clean if shabby, with a whimsical way about him, a child of nature with whom my friend could not resist the Andalusian exchange of friendly nods and greetings. The concierge made light of his own troubles, lamenting rather than the loss of the money owed his own mistake in trusting the defaulter. He took pride in his ability to read human nature, a gift of no little value to him, he said, in dealing with new arrivals. Although something in the manner of the man instilled new hope into my friend's heart, yet he could not bring himself to broach, offhand, the question of the difficulty he was in.

Matters had now come to a pretty pass, for after this incident the proprietress would certainly lend no friendly ear to any explanations and promises. Force majeure was no concern of hers. It was indeed with difficulty and much self-consciousness when the bill was again presented at the end of the third week that he faced the kindly gaze of the concierge and muttered something about a remittance somewhat overdue.

One day, while sitting in the hot and comfortless "patio," balancing himself to and fro in one of the many cane-seated rocking chairs provided for the lounging guests, his last "duro" spent on a reply paid but unanswered telegram, the concierge approached him. "Señorito," the man was saying, "you seem preoccupied. Can I be of any assistance to you?"

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Encouraged by the spontaneous display of friendly interest, he decided to make a clean breast of everything and informed the man of his inability to pay the hotel bill, and the reason why he was detained. "I pray you, Señorito," was the rejoinder, "do not think about the matter one minute more. It is arranged. I will respond for the account to the dueña." "Pero hombre, my good man," my friend objected in the best Spanish available under the stress of his feelings, "you know nothing about me. How can you . . .?" "Amigo," he answered with a show of pride, "as I have said, I am somewhat of a student of human nature. I am seldom deceived. You will repay me. So when you wish, you can go to Lisbon and from there you will remit to me."

My friend thanked the man as well as linguistic and social differences would allow. But the matter did not end there. To hint at still further needs was as gall to him, but there was no alternative. He must get his ticket back to Lisbon somehow, and money for the articles he had been instructed to buy. Something encouraged him to go on. "Senorito, I will get the ticket and if you will give me a list of what you require, everything will be brought to you here," was the reassuring reply to his explanations.

Within an hour a box was delivered at the fonda, with the desired supply of stuffed olives, polvorones and manzanilla, all so highly prized by those who have cultivated a taste for them. My friend's thanks stuck in his throat. To complete the labor of love, a cab was ordered for him ready to convey him to the station at 4 a. m. the next day. The last words of the concierge as they exchanged a hearty grip were no less to the point, as he handed him a folded envelope: "Do not tip the cabman; I will do that. You have a long journey before you and may require all there is in the envelope. Vaya Vd. con Dios, amigo." There was a studied delicacy even in the manner in which he conveyed to him a second-class ticket and a bill for twenty-five pesetas.

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Matters straightened themselves out on my friend's arrival at Lisbon. It appeared that the blacklist had come into operation in Portugal and had cut off suspects from all communications. One of these was the firm holding the funds expected by my friend, but they soon managed to put themselves right with the authorities, if only just in time for him to catch his boat. He took up his new work and made a great success of it.

He was never able in after years to trace his friend the concierge. His letter of thanks, containing the money to square his debt, and an additional sum as a token of his appreciation, had fallen so far short in his own reckoning as an expression of his gratitude, that all those in humble service who came into contact with him benefited by his generosity.

"Masters and men are, so I hear, discussing the question of abolishing the tipping system in Spain," said my friend as he paid for our refreshment. "They will deprive me of one great pleasure if they do." The waiter thanked him quietly for what was a handsome "propina." R. C.

From the World's Great Capitals—Paris

PARIS

AN INCIDENT in the daily experience of Paris which it might interest a visitor to witness, occurs each morning shortly before 9 o'clock. From half past eight on, if you approach the Arc de Triomphe from the Avenue du Bois de Boulogne, and pass on down the Avenue des Champs-Elysées, you will observe policemen facing west. Suddenly the one at the head of the Avenue du Bois blows his whistle, and the signal is continued from one policeman to another down the Avenue des Champs-Elysées, across the Place de la Concorde, and along the Rue de Rivoli to the Ministry of Finance. The cause has been the appearance on the Avenue du Bois from a side street of an inconspicuous automobile, bearing, however, the most important man in France, Premier Raymond Poincaré. All north- and south-bound traffic is halted so that there shall be no interruptions to the rapid pace of the car. No salutes are given, and the whole operation of traffic-stopping is so well timed that few persons seem aware of what is happening or recognize the solitary figure in the limousine.

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The Goncourt Prize for the best book of the year went to Maurice Constantin-Weyer for his novel called "Un homme se penche sur son passé." (A man leans on his past.) The merit of the award is widely acclaimed, and each year augments the general interest which attaches to this crowning of a piece of literature. Not always is the public in agreement with the jury which selects the winning book, but this year everyone appears satisfied. The author is editor of a provincial newspaper, the Journal de l'Ouest, and he has four other books, besides the one considered by the jury, which have won him many friends. As a young man he went to Canada and there lived as cowboy, trapper and journalist. His writings deal mostly with Canada, and he is now being compared with authors like Claudel, who described China, Barrès, who told of Syria, and Gide, who brought the secrets of Africa back to France. M. Constantin-Weyer is congratulated for having again opened the window for literature and let in the fresh air from farther fields.

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An American organization in Paris of which little is heard and yet which is doing a great deal of good is the American Aid Society. Its last monthly report indicates the useful and serious nature of its work. As its name signifies, it exists to help Americans who find themselves in extreme situations. For the most part calls for assistance come from those who no longer have any financial resources. Such cases are carefully investigated, and, when found genuine, the primary object of the society is to repatriate the individuals to America. In one month, for example, twenty-two were taken care of, while another fifty-one cases stood on the books. Some Americans are supplied with tickets to seaports, from which they can work their way home, and others are given small sums of money to tide them over difficult periods. The American Aid Society is supported by voluntary contributions.

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Napoleon is given the credit by a columnist for originating canned food. The tinned beef and jam enjoyed by the soldiers in France during the last war are the historical descendants of the first "airtight food" which the Little Corporal ordered for his men. He commanded his corps of chefs to prepare "food in airtight packages that could be sterilized with heat so that the food would keep." The order was obeyed and the canning industry was provided with a start. Despite the glamour, however, which surrounds its origin, a tin of French beans never had the popularity it deserved until the necessitous situation of the past war drove the housewives to consider it. The industry has developed, and at a food exhibition just held here it was remarked that the canned article was beginning to win great favor.

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Who that has wandered across a Seine bridge has not remarked the massive floating baths moored to the banks? During the warm summer days they are crowded. It is winter now. Instead of being scraped and made ready for the bright spring painting, one of these baths is being broken up. Ever since 1759 it has sat upon the Seine and surveyed the bathers inside and the tugs and passing barges outside. A landmark will disappear which has rare associations behind it. During the reign of Louis XV, it was made fast by the Pont Royal and bore the plausible description, "Bains des Naïades." Then it was a most fashionable place, patronized by the ladies of the court. When France turned Republic and the Monarchy was dismissed, democracy invaded the Bains des Naïades. It was eased from the bank by the palace and taken to a spot by the Pont de l'Hôtel de Ville, where it is in process of demolition.

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The French Academy of Sciences has taken up the question of a more intensive education of the public regarding the vast colonial empire of France. The Minister of Colonies is to be approached with a plan to unite all colonial interests engaged in such work and have a single direction for their activities. Le Matin, a leading newspaper, has called for one hour of colonial instruction a week in every institution of learning in the country throughout all the school years of the students. L'Illustration, foremost illustrated weekly, has just produced a handsome volume devoted to the colonies, enriched by colored reproductions of ancient maps of those regions. André Tardieu, Minister of Interior, has now under study a project submitted by an American engineer for the irrigation and flooding of a part of the Sahara desert by means of canals. Some newspapers are devoting today at least one full page a week to colonial affairs. All these straws show the wind to be blowing steadily from the colonial quarter so that the French people may be roused to develop the wealth awaiting exploitation in the colonies.

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A French company, the Société Icex, announces that it can make an indoor ice skating rink anywhere you wish and have it ready for use in twenty-four hours. The ice is a chemical composition but has, apparently, all the good points of natural ice. That they are prepared to enter the market with such a proposition indicates the French enjoyment of ice skating. The winters are rarely cold enough for outdoor ice skating, save perhaps for a few days on the lakes in the Bois de Boulogne and elsewhere, but there is a covered rink, the Palais de Glace, where the crowd gathers. There are bright lights and music and a strange assortment of persons and costumes. Quite recently the couturiers exhibited their winter sports and other models on the ice. A red carpet was unrolled across the rink and the manikins paraded on it. They might have been coming down the lobby of some St. Moritz hotel ready for the rinks or the bob and sleigh runs.

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The Chauve-Souris has come back to Paris. It was from Paris that it set out, after the war, to conquer the whole world. The original company has disappeared. Nevertheless, though Nikita Balieff has broadened his effects, he still succeeds in striking a new note, and Paris is greeting him with enthusiasm.